



NOTICE OF AVAILABILITY

Recirculated Portions of the
Draft Environmental Impact Report for the
San Luis Ranch Specific Plan
Project # SPEC/ANNX/ER 1502-2015
State Clearinghouse # 2015101083

**45-Day Public Review Period:
March 3, 2017 through April 17, 2017**

Notice is hereby given that the City of San Luis Obispo (City), as lead agency, has prepared and is recirculating portions of the Draft Environmental Impact Report (Draft EIR) for the San Luis Ranch Specific Plan Project (Project) for public review and comment pursuant to the California Environmental Quality Act. (Pub. Resources Code, section 21092.1; CEQA Guidelines, section 15088.5.) Notice is provided pursuant to CEQA Guidelines section 15088.5(d). The portions of the Draft EIR being recirculated relate to the Project's energy impacts and include portions of Section 5.0, *Other CEQA-Required Discussions*.

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PROJECT TITLE: San Luis Ranch Specific Plan Project

Project Location

The 131-acre San Luis Ranch project site is located in unincorporated San Luis Obispo County, surrounded by the City of San Luis Obispo, and within the City's Sphere of Influence. The project site is bounded by residential uses and Madonna Road to the west, commercial uses and Dalidio Drive to the north, U.S. Highway 101 to the east, and the San Luis Obispo City Farm to the south. Prefumo Creek is located south of the site. The site is identified by assessor's parcel number (APN) 067-121-022.

Project Description

The San Luis Ranch Project consists of a Specific Plan, General Plan Amendment/Pre-Zoning, and Development Plan/Tentative Tract Map for the 131-acre project site, including annexation of the site into the City of San Luis Obispo. It would also address a Development Agreement/Memorandum of Understanding, which provides a mechanism for project implementation. The project is intended to be consistent with the development parameters described in the City's Land Use and Circulation Element (adopted in December 2014). The project includes construction of up to 580 residential units, 150,000 square feet of commercial development, 100,000 square feet of office development, and a 200-room hotel, with a portion of the site preserved for agriculture and open space uses. The project is planned to be constructed in six phases.

Draft EIR

The Draft EIR was prepared and circulated for review from December 9, 2016 to January 24, 2017. The review period was extended to January 30, 2017 to provide additional time for comment. The City responded to all comments on the Draft EIR received on or prior to January 30, 2017.

Identified Potential Environmental Impacts:

- Agricultural Resources
- Air Quality
- Biological Resources
- Cultural Resources
- Geology and Soils
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use/Policy Consistency
- Noise
- Recreation
- Transportation

Recirculated Portions of the Draft EIR

The portions of the Draft EIR being recirculated ("Recirculated Portions") relate to the Project's energy impacts. Pursuant to CEQA Guidelines section 15088.5(c), if the revisions subject to recirculation are limited to a few portions of the Draft EIR, the lead agency need only recirculate the portions that have been modified. The City has determined that a restructured discussion relating to energy impacts should be incorporated into the Draft EIR and recirculated for public review and comment. The Recirculated Portions of the Draft EIR include revisions to the portions of the Draft EIR specifically regarding: Section 5.0, *Other CEQA-Required Discussions*, for readability, clarity, and consolidation of information previously included in the text and appendices. The portions of the Draft EIR that have been modified to include pages within Section 5.4, *Energy Use and Conservation*.

Public Review:

The 45-day public review period for the Recirculated Portions will commence on Friday, March 3, 2017 and end on Monday, April 17, 2017 for interested individuals to submit comments on the document.

Comments should be provided in writing no later than 5:00 P.M, on April 17, 2017 to:

City of San Luis Obispo
Community Development Department
Attn: Brian Leveille, Senior Planner; or
John Rickenbach, AICP, Project Manager
919 Palm Street
San Luis Obispo, CA 93401

or

bleveille@slocity.org; or
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The City will respond to new comments related to the Recirculated Portions submitted prior to April 17, 2017. New comments that do not relate to the material that has been included in this recirculated document will not receive a response. (See CEQA Guidelines, section 15088.5(f).)

After all comments on the Draft EIR and the Recirculated Portions have been received, a Final EIR will be prepared and additional public hearings will be held. Additional information can also be found on the Project webpage: <http://www.slocity.org/government/department-directory/community-development/planning-zoning/specific-area-plans/san-luis-ranch>

Available Copies

The Recirculated Portions as well as the Draft EIR are available for review online at:

<http://www.slocity.org/government/department-directory/community-development/documents-online/environmental-review-documents>. Hardcopies of the Recirculated Portions, the Draft EIR, and all documents referenced therein are available for review at City Hall. Copies of the Recirculated Portions and Draft EIR are also available at local libraries

PREFACE

Consistent with Section 15088.5 of the State *California Environmental Quality Act (CEQA) Guidelines*, this recirculated portion of the Draft Environmental Impact Report (Draft EIR) for the San Luis Ranch Project (Project) includes a new Section 5.4 to provide additional information related to energy conservation for public review. As described in the State *CEQA Guidelines*, a lead agency is required to recirculate an EIR when significant new information is added to the EIR after public notice is given of the availability of the Draft EIR for public review and comment but before certification. As stated in the State *CEQA Guidelines*, “if the revision is limited to a few chapters or portions of the EIR, the lead agency need only recirculate the chapters or portions that have been modified.” A discussion of the project’s energy use and conservation, including quantification of the project’s estimated energy demand, has been added to Section 5.0, *Other CEQA-Required Discussions*.

The intent of this recirculation is to clarify information related to energy conservation that is generally already within the Draft EIR document, but may be difficult for the public to find in one location. By consolidating information related to the project’s energy demand and conservation in one location, and expanding on the discussion, the public may gain a better understanding of the issue. It should be noted that as a result of this new discussion, no new significant impacts or mitigation measures were identified.

This recirculation also includes the relevant portions of Appendix D as originally contained in the Draft EIR.

The original public comment period for the Draft EIR extended from December 9, 2016 to January 30, 2017. Responses will be provided to all comments received during the original comment period. Reviewers of this Recirculated document should limit their comments to those that relate to the portions of the Draft EIR that have been revised and recirculated. The portions of Section 5.0, *Other CEQA-Required Discussions*, subject to recirculated public review and comment are included below. Responses will be provided to all comments received on the recirculated portions of the Draft EIR during the additional public review period, but will not be provided for additional comments on the remainder of the Draft EIR to which modifications have not been made. Although not subject to additional comment, the Draft EIR is available for reference at: <http://www.slocity.org/government/department-directory/community-development/documents-online/environmental-review-documents>. Hardcopies of the Draft EIR are available for review at San Luis Obispo City Hall, 990 Palm St, San Luis Obispo, CA 93401.



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5.0 OTHER CEQA-REQUIRED DISCUSSIONS

5.4 ENERGY USE AND CONSERVATION

Public Resources Code Section 21100(b)(2) and Appendix F of the State CEQA Guidelines requires an EIR to discuss the potential for a project to result in impacts related to energy consumption and/or conservation. A project may have the potential to cause such impacts if it would result in inefficient, wasteful, or unnecessary consumption of energy, including electricity, natural gas, or transportation fuel supplies and/or resources.

The project's anticipated energy demand (including fuel consumption), energy conserving features, and required mitigation measures that have an effect on energy conservation are evaluated in this section to determine whether the project would result in unnecessary or wasteful energy consumption. The discussion of the project's anticipated energy demand includes natural gas, electricity, and fuel consumption during construction and operation of the project.

5.4.1 Existing Conditions

State and Regional Energy Consumption.

State. California is one of the lowest per capita energy users in the United States, ranked 49th in the nation, due to its energy efficiency programs and mild climate (U.S. Energy Information Administration [EIA] 2014). California used 295,405 gigawatt-hours (GWh) of electricity in 2015 (California Energy Commission [CEC] 2017) and 2,309,759 million cubic feet of natural gas in 2014 of which 401,172 million cubic feet were consumed by residential users (EIA 2015). In addition, Californians presently consume nearly 18 billion gallons of motor vehicle fuels per year (CEC 2014). The single largest end-use sector for energy consumption in California is transportation (38.7 percent), followed by industry (24.4 percent), commercial (18.6 percent), and residential (18.3 percent) (EIA 2014).

The majority of California's electricity is generated in-state with approximately 44 percent imported from the Northwest and Southwest in 2015 (CEC 2015). In addition, approximately 26 percent of California's electricity supply comes from renewable energy sources, such as wind (24,100 GWh), solar photovoltaic (PV) (15,100 GWh), geothermal (12,900 GWh), and biomass (8,600 GWh) (CEC 2016a). Senate Bill (SB) 350, adopted in October 2015, requires that renewables supply 50 percent of retail electricity by 2030. Self-generation using rooftop solar PV and increased appliance energy efficiency has resulted in a decline in state energy total system power in 2015, a trend that is expected to continue (CEC 2016a).

California's existing natural gas supply portfolio is regionally diverse and includes supplies from California sources (onshore and offshore), Southwestern U.S. supply sources (the Permian, Anadarko, and San Juan basins), the Rocky Mountains, and Canada (California Gas and Electric Utilities 2016). California natural gas demand, including volumes not served by utility systems, is expected to decrease at a rate of 1.4 percent per year from 2016 to 2035. Residential gas demand is expected to decrease at an annual average rate of 0.5 percent due to aggressive energy efficiency programs (California Gas and Electric Utilities 2016).



To reduce statewide vehicle emissions, California requires that all motorists use California Reformulated Gasoline (CaRFG), which is sourced almost exclusively from in-state refineries. Gasoline is the most used transportation fuel in California with 15.1 billions of gallons sold in 2015 and is used by light-duty cars, pickup trucks, and sport utility vehicles (CEC 2016b). Diesel is the second most used fuel in California with 4.2 billion gallons sold in 2015 and is used primarily by heavy duty-trucks, delivery vehicles, buses, trains, ships, boats and barges, farm equipment, and construction and heavy duty military vehicles (CEC 2016c). Both gasoline and diesel are primarily petroleum-based and their consumption releases greenhouse gases, including CO₂ and NO_x. The transportation sector is the single largest source of greenhouse gas (GHG) emissions in California, accounting for 37 percent of all inventoried emissions in 2013 (ARB 2015).

The California Energy Code provides energy conservation standards for all new and renovated commercial and residential buildings constructed in California. The Code applies to the building envelope, space-conditioning systems, and water-heating and lighting systems of buildings and appliances. It provides guidance on construction techniques to maximize energy conservation and minimum efficiency standards for a variety of building elements, including appliances, heating and cooling equipment, and insulation for doors, pipes, walls and ceilings. CALGreen sets targets for: energy efficiency, water consumption, dual plumbing systems for potable and recyclable water, diversion of construction waste from landfills, and use of environmentally sensitive materials in construction and design.

Regional. Electricity service for the project would be provided by Pacific Gas & Electric (PG&E), which provides natural gas and electric service to approximately 16 million people throughout a 70,000-square mile service area in northern and central California (PG&E 2017). electricity to about 14 million people in Southern California. In 2015, SCE provided 27,581 millions of kWh (GWh) to its residential users (CEC 2016d). SCE's power mix consists of approximately 25 percent renewable energy sources (wind, geothermal, solar, small hydroelectric, and biomass) (SCE 2015). Gas service would be provided by the Southern California Gas Company (SoCalGas), which serves 21.6 million consumers throughout Southern California. In 2015, SoCalGas provided 2,038 million therms to its residential users (CEC 2016e).

According to the San Luis Obispo Council of Governments (SLOCOG) and the California Department of Transportation (Caltrans), there were a total of approximately 530,000 vehicle miles traveled (VMT) in the City of San Luis Obispo, and approximately 7,862,000 VMT in the County in 2013 (Caltrans 2015). These annual VMT contribute to the consumption of gasoline and diesel fuel in the region. San Luis Obispo County also provides a variety of public transit services, including bus and paratransit service and vanpools.

Regulatory Setting.

Federal.

Energy Policy Act of 2005. The Energy Policy Act of 2005 seeks to reduce reliance on non-renewable energy resources and provide incentives to reduce current demand on these resources. For example, under the Act, consumers and businesses can obtain federal tax credits for purchasing fuel efficient appliances and products, including buying hybrid vehicles,



building energy efficient buildings, and improving the energy efficiency of commercial buildings. Additionally, tax credits are available for the installation of qualified fuel cells, stationary microturbine power plants, and solar power equipment.

State.

California Energy Commission. The California Energy Commission CEC was created in 1974 to serve as the state's primary energy policy and planning agency. The CEC is tasked with reducing energy costs and environmental impacts of energy use - such as greenhouse gas emissions - while ensuring a safe, resilient, and reliable supply of energy.

State of California Integrated Energy Policy (SB 1389). In 2002, the Legislature passed Senate Bill 1389, which required the California Energy Commission (CEC) to develop an integrated energy plan every two years for electricity, natural gas, and transportation fuels, for the California Energy Policy Report. The plan calls for the state to assist in the transformation of the transportation system to improve air quality, reduce congestion, and increase the efficient use of fuel supplies with the least environmental and energy costs. To further this policy, the plan identifies a number of strategies, including assistance to public agencies and fleet operators in implementing incentive programs for Zero Emission Vehicles and their infrastructure needs, and encouragement of urban designs that reduce vehicles miles traveled and accommodate pedestrian and bicycle access.

The CEC adopted the 2013 Integrated Energy Policy Report on February 20, 2014. The 2013 Integrated Energy Policy Report provides the results of the CEC's assessment of a variety of issues, including:

- Ensuring that the state has sufficient, reliable, and safe energy infrastructure to meet current and future energy demands;
- Monitoring publicly-owned utilities' progress towards achieving 10-year energy efficiency targets; defining and including zero-net-energy goals in state building standards;
- Overcoming challenges to increased use of geothermal heat pump/ground loop technologies and procurement of biomethane;
- Using demand response to meet California's energy needs and integrate renewable technologies;
- Removing barriers to bioenergy development; planning for California's electricity infrastructure needs given potential retirement of power plants and the closure of the San Onofre Nuclear Generating Station;
- Estimating new generation costs for utility-scale renewable and fossil-fueled generation;
- Planning for new or upgraded transmission infrastructure;
- Monitoring utilities' progress in implementing past recommendations related to nuclear power plants;
- Tracking natural gas market trends;
- Implementing the Alternative and Renewable Fuel and Vehicle Technology Program; and,
- Addressing the vulnerability of California's energy supply and demand infrastructure to the effects of climate change; and planning for potential electricity system needs in 2030.



California Global Warming Solutions Act of 2006 (Assembly Bill 32). Assembly Bill 32 (Health and Safety Code Sections 38500–38599; AB 32), also known as the California Global Warming Solutions Act of 2006, commits the state to achieving year 2000 GHG emission levels by 2010 and year 1990 levels by 2020. To achieve these goals, AB 32 tasked the California Public Utilities Commission and CEC with providing information, analysis, and recommendations to the California Air Resources Board regarding ways to reduce GHG emissions in the electricity and natural gas utility sectors.

California Energy Code (Title 24, Part 6, Building Energy Efficiency Standards). California Code of Regulations Title 24, Part 6 comprises the California Energy Code, which was adopted to ensure that building construction, system design and installation achieve energy efficiency. The California Energy Code was first established in 1978 by the CEC in response to a legislative mandate to reduce California’s energy consumption, and apply to energy consumed for heating, cooling, ventilation, water heating, and lighting in new residential and non-residential buildings. The standards are updated periodically to increase the baseline energy efficiency requirements. The 2013 Building Energy Efficiency Standards focus on several key areas to improve the energy efficiency of newly constructed buildings and additions and alterations to existing buildings and include requirements to enable both demand reductions during critical peak periods and future solar electric and thermal system installations. Although it was not originally intended to reduce greenhouse gas (GHG) emissions, electricity production by fossil fuels results in GHG emissions and energy efficient buildings require less electricity. Therefore, increased energy efficiency results in decreased GHG emissions.

California Green Building Standards Code (Title 24, Part II, CALGreen). The California Building Standards Commission adopted the California Green Buildings Standards Code (CALGreen in Part 11 of the Title 24 Building Standards Code) for all new construction statewide on July 17, 2008. Originally a volunteer measure, the code became mandatory in 2010 and the most recent update (2016) went into effect on January 1, 2017. CALGreen sets targets for energy efficiency, water consumption, dual plumbing systems for potable and recyclable water, diversion of construction waste from landfills, and use of environmentally sensitive materials in construction and design, including eco-friendly flooring, carpeting, paint, coatings, thermal insulation, and acoustical wall and ceiling panels. The 2016 CALGreen Code includes mandatory measures for non-residential development related to site development; water use; weather resistance and moisture management; construction waste reduction, disposal, and recycling; building maintenance and operation; pollutant control; indoor air quality; environmental comfort; and outdoor air quality. Mandatory measures for residential development pertain to green building; planning and design; energy efficiency; water efficiency and conservation; material conservation and resource efficiency; environmental quality; and installer and special inspector qualifications.

Clean Energy and Pollution Reduction Act (SB 350). The Clean Energy and Pollution Reduction Act (SB 350) was passed by California Governor Brown on October 7, 2015, and establishes new clean energy, clean air, and greenhouse gas reduction goals for the year 2030 and beyond. SB 350 establishes a greenhouse gas reduction target of 40 percent below 1990 levels for the State of California, further enhancing the ability for the state to meet the goal of reducing greenhouse gas emissions by 80 percent below 1990 levels by the year 2050.



Renewable Portfolio Standard (SB 1078 and SB 107). Established in 2002 under SB 1078, the state's Renewables Portfolio Standard (RPS) was amended under SB 107 to require accelerated energy reduction goals by requiring that by the year 2010, 20 percent of electricity sales in the state be served by renewable energy resources. In years following its adoption, Executive Order S-14-08 was signed, requiring electricity retail sellers to provide 33 percent of their service loads with renewable energy by the year 2020. In 2011, SB X1-2 was signed, aligning the RPS target with the 33 percent requirement by the year 2020. This new RPS applied to all state electricity retailers, including publically owned utilities, investor-owned utilities, electrical service providers, and community choice aggregators. All entities included under the RPS were required to adopted the RPS 20 percent by year 2020 reduction goal by the end of 2013, adopt a reduction goal of 25 percent by the end of 2016, and meet the 33 percent reduction goal by the end of 2020. In addition, the Air Resources Board, under Executive Order S-21-09, was required to adopt regulations consistent with these 33 percent renewable energy targets.

Local.

City of San Luis Obispo General Plan. The City's General Plan contains policies which encourage energy efficiency and sustainable practices to reduce the use of energy resources. The following goals and policies are contained in the various elements of the City's General Plan; additional analysis of the City's General Plan is provided in Section 3.8, Land Use and Planning.

Land Use Element.

Policy 1.5. Jobs/Housing Relationship. The gap between housing demand (due to more jobs and college enrollment) and supply should not increase.

Policy 1.13.2. Recycled Water. Provision of recycled water outside of City limits may only be considered in compliance with Water and Wastewater Element Policy A 7.3.4 and the following findings: A. Non-potable/recycled water is necessary to support continued agricultural operations; B. Provision of non-potable/recycled water will not be used to increase development potential of property being served; C. Non-potable/recycled water will not be further treated to make it potable; D. Prior to provision of non-potable/recycled water, the property to be served will record a conservation, open space, Williamson Act, or other easement instrument to maintain the area being served in agriculture and open space while recycled water is being provided.

Policy 2.3.1. Mixed Uses and Convenience. The City shall promote a mix of compatible uses in neighborhoods to serve the daily needs of nearby residents, including schools, parks, churches, and convenience retail stores. Neighborhood shopping and services should be available within about one mile of all dwellings. When nonresidential, neighborhood serving uses are developed, existing housing shall be preserved and new housing added where possible. If existing dwellings are removed for such uses, the development shall include replacement dwellings (no net loss of residential units).

Policy 3.3.1. New or Expanded Areas of Neighborhood Commercial Use. The City shall provide for new or expanded areas of neighborhood commercial uses that: A. Are created within, or extended into, nonresidential areas adjacent to residential neighborhoods; B. Provide uses to serve nearby residents, not the whole city; C. Have access from arterial streets, and not



increase traffic on residential streets; D. Have safe and pleasant pedestrian access from the surrounding service area, as well as good internal circulation; E. Are designed to be pedestrian-oriented, and architecturally compatible with the adjacent neighborhoods being served.

Pedestrian-oriented features of project design should include:

- i. Off-street parking areas located to the side or rear of buildings rather than between buildings and the street;
- ii. Landscaped areas with public seating; and iii. Indoor or outdoor space for public use, designed to provide a focus for some neighborhood activities.

Policy 9.7 Sustainable Design. The City shall promote, and where appropriate, require sustainable building practices that consume less energy, water and other resources, facilitate natural ventilation, use daylight effectively, and are healthy, safe, comfortable, and durable. Projects shall include, unless deemed infeasible by the City, the following sustainable design features.

- A. Energy Efficient Structure. Utilize building standards and materials that achieve or surpass best practices for energy efficiency.
- B. Energy-Efficient Appliances. Utilize appliances, including air conditioning and heating systems that achieve high energy efficiency. Incorporation of alternative energy systems (e.g. passive and/or active solar, heat pumps) is encouraged.
- C. Naturalized Ventilation. Optimized potential for cooling through natural ventilation.
- D. Plumbing. Utilize plumbing fixtures that conserve or reuse water such as low flow faucets or grey water systems and implement a builder incentive program that will encourage new homes to be built with onsite water/heat recycling systems to help achieve the goal of net zero water and energy use.
- E. Efficient Landscaping. Include landscaping that reduces water use through use of drought-tolerant/native plant species, high-efficiency irrigation (drip irrigation), and reduction or elimination of the use of turf. Collection and use of site runoff and rainwater harvesting in landscape irrigation is encouraged.
- F. Solar Orientation. Optimize solar orientation of structures to the extent possible.
- G. Privacy and Solar Access. New buildings outside of the downtown will respect the privacy and solar access of neighboring buildings and outdoor areas, particularly where multistory buildings or additions may overlook backyards of adjacent dwellings.
- H. Solar Ready. The City shall encourage new development to be build “solar ready” so that owners may easily install solar infrastructure, as appropriate.
- I. Solar Canopies. The City shall encourage the inclusion of solar canopies that include solar panels (such as structures over parking lots) on new construction, as appropriate.

Policy 9.13 Incentive Program. The City shall consider the feasibility of providing incentives for new and renovate projects that incorporate sustainable design features such as constructing new buildings that are solar ready, or off-setting significant operational energy use through use of solar water heating, photovoltaic systems, geothermal or wind energy systems.

Conservation and Open Space Element.

Goal 4.2 Sustainable energy use. Increase the use of sustainable energy sources such as solar, wind and thermal energy, and reduce reliance on non-sustainable energy sources to the extent possible with available technology and resources.



Policy 4.3.1 Use of best available practices. The City will employ the best available practices in energy conservation, procurement, use and production, and will encourage individuals, organizations and other agencies to do likewise. “Best available practices” means behavior and technologies that reflect recommendations of specialists and that use the least energy for a desired outcome, considering available equipment, life-cycle costs, social and environmental side effects, and the regulations of other agencies. Best available practices include use of sustainable sources. Sustainable sources are naturally renewed in a relatively short time and avoid substantial undesirable side effects. Table 1 summarizes Sustainable Energy Sources.

Policy 4.3.3 Energy-efficient improvements. The City will continue to identify energy efficiency improvement measures to the greatest extent possible, undertake all necessary steps to seek funding for their implementation and, upon securing availability of funds, implement the measures in a timely manner.

Policy 4.3.6 Energy Efficiency and Green Building in new developments. The City shall encourage energy-efficient “green buildings” as certified by the U.S. Green Buildings Council’s LEED (Leadership in Energy and Environmental Design) Program or equivalent certification, as further described in Chapter 5.5.7.

Policy 4.4.1 Pedestrian- and bicycle-friendly design. Residences, work places and facilities for all other activities will be located and designed to promote travel by pedestrians and bicyclists. (Also see the Land Use and Circulation Elements.)

Policy 4.4.2 Alternative transportation. The City’s transportation and circulation systems shall foster travel by modes other than motor vehicles, including walking, bicycles and public transit. (See also the Community Trip Reduction Policies in the Circulation Element.)

Policy 4.5.1 Solar access standards. To encourage use of solar energy, reasonable solar access shall be provided and protected. The City will protect reasonable solar exposure for existing collectors and likely locations for future collectors, both active and passive. Standards for the subdivision and development of property should assure desirable solar access, as described in Table 2. Protection beyond that established by the City may be provided by recorded agreement among private parties.

Policy 4.5.2 Subdivision design for solar access. In subdivisions, the layout of streets and lots shall provide and protect solar exposure. To assure the maximum control over potential shading features, the longest dimension of each lot should be oriented within 30 degrees of south, unless the subdivider demonstrates that for certain lots any of the following applies:

- A. The lots are large enough to allow desirable solar access, regardless of lot orientation.
- B. Buildings will be constructed as part of the tract development, and the buildings will be properly oriented, with adequate solar access.
- C. Topography makes variations from the prescribed orientation desirable to reduce grading or tree removal, or to take advantage of a setting that would favor greater reliance on early morning or late afternoon solar exposure.
- D. Topographical conditions, such as steep, north-facing slopes or shading by the mass of a hill, make solar energy infeasible.



- E. The size of the subdivision, combined with the existing orientation of surrounding streets and lots, precludes desirable lot orientation.

Policy 4.5.3 Solar Access Easements. Solar access easements will be required in all new subdivisions, as provided in the State of California Solar Rights Act, unless any of the following applies:

- A. The subdivision incorporates a building development plan that will assure desirable solar access.
- B. Desirable solar exposure will be protected by the City's Zoning Regulations.
- C. The subdivision establishes yard or height standards designed to assure desirable solar access, supplementary to the Zoning Regulations, which would make a system of easements for each lot unnecessary.

Policy 4.6.8 Energy-efficient in project design. Encourage energy-efficient project design by emphasizing use of daylight and solar exposure, shading and natural ventilation, as opposed to designing a particular image and relying on mechanical systems to maintain functionality and comfort. Educate City staff, citizen advisers, developers and designers on ways to exceed minimum state energy standards.

Policy 4.6.11 Financial assistance for energy efficiency improvements. The City will actively seek all available sources of funding for implementing energy efficiency improvement and utilities infrastructure renewable projects, including federal and state budget appropriations, federal, state, and private sector grant opportunities, utilities and other unique public/private sector financing.

Policy 4.6.17 Require solar power for new dwellings. Within new single-family residential projects of 20 or more dwelling units, 5% of the total number of dwellings shall be built with photovoltaic solar collectors beginning in 2008; this percentage shall increase 4% each year until 2020. Multi-family residential developments shall be exempt from this requirement, except for common-use facilities such as recreation rooms, spas, or swimming pools. In these cases, the common facilities shall be built with photovoltaic solar collectors.

Water and Wastewater Element.

Policy A 7.2.1 Recycled Water Supply. The City will make available recycled water to substitute for existing potable water uses as allowed by law and to supply new non-potable uses.

Circulation Element.

Policy 1.7.1. Encourage Better Transportation Habits. San Luis Obispo should: 1. Increase the use of alternative forms of transportation (as shown on Table 1) and depend less on the single-occupant use of vehicles; and 2. Ask the San Luis Obispo Regional Transportation Agency to establish an objective similar to #1 and support programs that reduce the interregional use of single-occupant vehicles and increase the use of alternative forms of transportation.



Policy 1.7.2. Promote Alternative Forms of Transportation. San Luis Obispo should: 1. Complete a network of bicycle lanes and paths, sidewalks and pedestrian paths within existing developed parts of the city by 2035, and extend the system to serve new growth areas; 2. Complete improvements to the city's transit system serving existing developed areas by 2035, and provide service to new growth areas; 3. Support the efforts of the County Air Pollution Control District to implement traffic reduction programs; and 4. Support and develop education programs directed at promoting types of transportation other than the single-occupant vehicle.

5.4.2 Analysis of Project Impacts and Determination of Significance

San Luis Ranch Project Energy Consumption. Implementation of the project would result in the commitment of additional energy resources, including consumption of energy during construction and operation. Energy use during the construction phase would be primarily in the form of fuel consumption to operate heavy equipment, light-duty vehicles, machinery, and generators for lighting. Temporary grid power may also be provided to construction trailers or electric construction equipment. Long-term operation of the project would require permanent grid connections for electricity and natural gas service to power internal and exterior building lighting, and heating and cooling systems. In addition, the increase in vehicle trips associated with the project would increase fuel consumption.

Electricity and Natural Gas. Table 5-1 shows the project's estimated electricity and natural gas demand compared to statewide demand. Electricity and natural gas consumption were estimated using CalEEMod, as described in Section 4.3, *Air Quality* and Section 4.6, *Greenhouse Gas Emissions* (refer to Tables 5.2 and 5.3 included in Appendix D). Based on the modeling assumptions described in Section 4.3, *Air Quality* and Section 4.6, *Greenhouse Gas Emissions*, project development would utilize approximately 58,300 megawatt hours (MWh) of electricity and approximately 23,700 million cubic feet of natural gas per year during operation. As shown in Table 5-1, the project's electricity consumption would represent approximately 0.002 percent of statewide annual demand, and project natural gas consumption would represent approximately 0.001 percent of statewide annual demand.

Table 5-1 Project Energy Use Relative to Statewide Energy Use

<u>Form of Energy</u>	<u>Units</u>	<u>Annual Project-Related Energy Use</u>	<u>Annual Statewide Energy Use</u>	<u>Project Percent of Statewide Energy Use</u>
Electricity	Megawatt hours	5,832 ¹	295,405,000 ²	0.002%
Natural Gas	Billions of cubic feet	0.024 ¹	2,313 ³	0.001%

¹ CalEEMod output (provided in Appendix D)

² California Energy Commission 2017a

³ California Energy Commission 2017b

Gasoline and Diesel Fuel. A large portion of the project's energy use would result from fuel consumption associated with project-related vehicle trips. As shown in Table 4.12-17, buildout of the Specific Plan Area would generate approximately 16,917 new daily trips. Table 5-2 shows the project's estimated annual operational fuel consumption due to vehicle travel.



Fuel consumption was estimated using the default fleet vehicle mix and the total annual mitigated annual VMT from the CalEEMod trip generation estimates, and average fuel efficiencies for each vehicle category (refer to Table 4.4 included in Appendix D, which shows the default fleet vehicle mix used by CalEEMod). Based on these assumptions, the project would result in the consumption of approximately 734,153 gallons of vehicle fuel per year during operation, which represents approximately 0.004 percent of annual statewide fuel consumption.

Table 5-2 Project Operational Vehicle Fuel Consumption

Vehicle Type	Percent of Vehicle Trips¹	Annual Vehicle Miles Traveled²	Average Fuel Efficiency (miles/gallon)³	Total Annual Fuel Consumption (gallons)
Passenger Cars	54.9	7,181,775	23.3	308,231
Light/Medium Trucks	36.5	4,774,768	17.1	279,226
Heavy Trucks/Other	8.0	1,058,560	7.3	145,008
Motorcycles	0.6	73,257	43.4	1,688
Total	100%	13,088,359	=	734,153
State Motor Vehicle Fuels				18,019,000,000⁴
Project Percent of Statewide Energy Use				0.004%

¹ Percent of vehicle trips found in Table 4.3 “Trip Type Information” in CalEEMod outputs (see Appendix D)

² Mitigated annual VMT found in Table 4.2 “Trip Summary Information” in CalEEMod outputs (see Appendix D). Annual VMT per vehicle type = Mitigated annual VMT * Percent of vehicle trips per vehicle type.

³ Source: US DOT, Bureau of Transportation Statistics. 2013. National Transportation Statistics 2013, Tables 4-12 and 4-13. Washington DC. Vehicle classes provided in CalEEMod do not correspond exactly to vehicle classes in USDOT fuel consumption data, except for motorcycles. Therefore, it was assumed that passenger cars correspond to the light-duty, short-base vehicle class, light/medium trucks correspond to the light-duty long-base vehicle class, and heavy trucks/ other correspond to the single unit, 2-axle 6-tire or more class.

⁴ California Energy Commission 2014

Note: Total may not add up due to rounding.

In addition, construction activities would also result in short-term fuel consumption from worker trips, operation of diesel-powered equipment, and hauling trips.

Appendix F Requirements and Energy Conservation Standards. Appendix F of the *CEQA Guidelines* requires inclusion in an EIR of relevant information that addresses “potential energy impacts of proposed projects, with particular emphasis on avoiding or reducing inefficient, wasteful and unnecessary consumption of energy” (Public Resources Code Section 21100[b][3]). Although the *CEQA Guidelines* do not include formal thresholds for evaluating the significance of potential energy-related impacts, the following discussion addresses direct energy impacts of the project as framed in Appendix F of the *CEQA Guidelines* by evaluating whether the project would result in the wasteful or inefficient consumption of energy or the potential need for new energy-related infrastructure, the construction or operation of which would have significant impacts.



1. Would the project result in the wasteful and inefficient use of non-renewable resources during construction and operation of the project?

Project operation would result in the annual consumption of approximately 5,832 megawatt hours of electricity, 24 million cubic feet of natural gas, and 734,153 gallons of vehicle fuel each year. Increasingly efficient building fixtures and automobile engines, as well as implementation of policies included in the San Luis Ranch Specific Plan are expected to offset the project’s energy demand to some degree. The project would be subject to energy conservation requirements in the California Energy Code (Title 24, Part 6, of the California Code of Regulations, California’s Energy Efficiency Standards for Residential and Nonresidential Buildings) and CALGreen (Title 24, Part 11 of the California Code of Regulations), as embodied in enforceable conditions of approval. Adherence to Title 24 requirements would ensure that the project would not result in wasteful and inefficient use of non-renewable resources due to building operation.

The project includes a number of components that would reduce transportation-related energy use. These project components have been discussed in Section 2.0, Project Description, Section 4.3, Air Quality, Section 4.6, Greenhouse Gas Emissions, and Section 4.12, Transportation, and are summarized in the following discussion. First, the project’s internal circulation would include an emphasis on pedestrian and bicycle circulation. Proposed neighborhoods would be connected with a local street and trail system, and would contain recreational areas. The project would include a Class I Bike Trail and Class II bike lanes, construct a new segment of the Bob Jones Bike Trail, and provide a connection from Laguna Lake Park and nearby neighborhoods and businesses along Madonna Road to the existing segment of the Bob Jones Trail near the Target shopping center at the southern portion of the City limit at From Ranch Way. Second, the project would also include a transit center that would provide direct transit access between the project site and downtown San Luis Obispo. Third, the proposed project would be a mixed-use development that would locate housing near existing and proposed job opportunities. These three features would reduce the number of vehicle trips associated with the project, and, therefore, decrease fuel consumption associated with project operation.

Sections 4.3, Air Quality, and 4.12, Transportation, of this EIR include mitigation measures intended to reduce air quality and traffic impacts, which would have the secondary effect of reducing project-related energy consumption. Table 5-3 summarizes applicable EIR mitigation measures and describes their potential to reduce project-related energy consumption.

Table 5-3 Summary of Mitigation Measure Energy Reduction

Mitigation Measure	Energy Reduction
AQ-1. Encourage Telecommuting	Reduce vehicle fuel consumption associated with project operation by reducing vehicle trips
AQ-2(b). Standard Control Measures for Construction Equipment	Reduce fuel consumption associated with project construction by improving construction vehicle fuel efficiency
AQ-2(c). Best Available Control Technology (BACT) for Construction Equipment	Reduce fuel consumption associated with project construction by improving construction vehicle fuel efficiency
AQ-3(a). Standard Operational Mitigation	Reduce vehicle fuel consumption associated with project operation by promoting use of alternative transportation. Reduce use of fossil fuel-based electricity sources



Measures	by accommodating renewable energy use and directly reducing energy use through building design and incorporation of energy-efficient features
AQ-3(b). Off-Site Mitigation	Reduce vehicle fuel consumption in SLO by reducing vehicle trips and/or improving fuel efficiency of land and marine vehicles and equipment
All Transportation Mitigation (see Table 4.12-1)	Reduce vehicle fuel consumption by reducing congestion and promoting alternative transportation (e.g., provide bike lanes)

The project would be required to comply with applicable Title 24 building standards, would include features to promote use of alternative transportation during operation, and would incorporate required EIR mitigation that would reduce construction and operational energy use by decreasing vehicle trips, increasing fuel efficiency, increasing building energy efficiency, and facilitating use of renewable energy. Therefore, the project would not result in wasteful and inefficient use of non-renewable resources during construction and operation.

2. Would the project result in the need for new systems or substantial alterations to electrical, natural gas, or communication systems infrastructure, the construction or operation of which would have significant impacts?

Construction of new energy infrastructure or substantial alteration of existing energy infrastructure to expand capacity can result in potentially significant environmental impacts. To determine whether this project would require substantial alteration to existing infrastructure or construction of new infrastructure, the project’s operational energy demands were estimated and compared to Statewide demand.

Based on the comparisons of project electricity, natural gas, and fuel demand to statewide demand for these resources shown in Tables 5-1 and 5-2, the project’s energy demand would result in a nominal increase in statewide energy demand. Furthermore, California’s use of non-renewable electricity and natural gas are expected to continue to decline as a proportion of overall energy demand due to stringent energy efficiency measures and a mandated increase in renewable energy use that would serve to offset any increase in non-renewable energy use resulting from the project. Therefore, the project would not result in the need for construction of new major facilities or substantial alteration of existing facilities to meet the project’s energy demands.

Cumulative Impacts. The project, in combination with approved, pending, and proposed development in San Luis Obispo, would contribute incrementally to adverse effects associated with energy resource demand and conservation. Table 3 in Section 3.0, *Environmental Setting*, lists future development capacity within the Planning Subarea under the General Plan Land Use Element. Ongoing development under the General Plan would have the cumulative effect of increasing local and regional energy demands, resulting in potential considerable impacts to energy conservation.

However, like the project, discretionary actions requiring agency approval are required to comply with local, regional, state, and federal policies designed to reduce wasteful energy consumption, and improve overall energy conservation and sustainability. For instance, all local projects involving the development of new buildings must be designed to conform to CALGreen and the 2013 California Energy Code, and all new single-family residences must comply with solar energy provision requirements of the City General Plan Policy 4.6.17.



Further, these projects are/would be operated and maintained by private utility companies, such as PG&E and SoCal Gas, which plan for anticipated growth. Electric and natural gas services are provided based on demand from consumers and expanded as needed to meet demand, consistent with applicable local, state, and federal regulations. Therefore, it is not anticipated that the project contribution to cumulative impacts generated with projects provided in Section 3.0, *Environmental Setting*, would result in a significantly considerable wasteful use of energy resources, such that the Project, and other cumulative projects, would have a cumulative effect on energy conservation. Cumulative impacts would therefore be less than significant.

Conclusion. Energy consumption associated with construction and operation of the project would not be expected to be wasteful or inefficient, and the project is not expected to result in the need for construction of new major facilities or substantial alteration of existing facilities to meet the project's energy demands. Therefore, the project's impacts to energy resources and conservation would be less than significant.

5.4.3 References

California Air Resources Board (ARB). June 2015. *California Greenhouse Gas Emission Inventory – 2015 Edition*. Available at: <http://www.arb.ca.gov/cc/inventory/data/data.htm>.

California Department of Transportation (CalTrans). September 2015. *California Public Road Data (HPMS)*, Caltrans Division of Transportation System Information (2001 to 2013 Annual Reports). Available at: <http://www.dot.ca.gov/hq/tsip/hpms/datalibrary.php>

California Energy Commission (CEC). 2014. *Integrated Energy Policy Report*. Available at: <http://www.energy.ca.gov/2014publications/CEC-100-2014-001/CEC-100-2014-001-CMF.pdf>.

California Energy Commission (CEC). 2016a. *California Energy Commission-Tracking Progress: Renewable Energy-Overview*. October 11, 2016. Available at: http://www.energy.ca.gov/renewables/tracking_progress/documents/renewable.pdf (accessed December 2016).

California Energy Commission (CEC). 2016b. *California Gasoline Data, Facts, and Statistics*. Available at: http://www.energy.ca.gov/almanac/transportation_data/gasoline/

California Energy Commission (CEC). 2016c. *Diesel Fuel Data, Facts, and Statistics*. Available at: http://www.energy.ca.gov/almanac/transportation_data/diesel.html

California Energy Commission (CEC). 2016d. *Electricity Consumption by Entity*. Available at: <http://www.ecdms.energy.ca.gov/elecbyutil.aspx>. (accessed December 2016).

California Energy Commission (CEC). 2016e. *Gas Consumption by Entity*. Available at: <http://www.ecdms.energy.ca.gov/gasbyutil.aspx>. (accessed December 2016).



California Energy Commission (CEC). 2017. *California Energy Almanac: 2015 Total Electricity System Power*. Available at: http://www.energy.ca.gov/almanac/electricity_data/total_system_power.html. (accessed January 2017).

California Gas and Electric Utilities. 2016. *2016 California Gas Report*. Available at: <https://www.socalgas.com/regulatory/documents/cgr/2016-cgr.pdf>

Pacific Gas and Electric Company (PG&E). 2017. *Company Profile*. Available at: https://www.pge.com/en_US/about-pge/company-information/profile/profile.page. (accessed February 2017).

Southern California Edison (SCE). 2015. *Power Content Label*. Available at: https://www.sce.com/wps/wcm/connect/b602f427-2762-4915-a043-b220e4a3e64e/2015_PCL_Final.pdf?MOD=AJPERES. (accessed February 2017).

United States Department of Transportation (US DOT), Bureau of Transportation Statistics. 2013. *National Transportation Statistics 2013*, Tables 4-12 and 4-13. Washington DC. Available at: https://www.rita.dot.gov/bts/sites/rita.dot.gov.bts/files/NTS_Entire_13Q4.pdf

United States Energy Information Administration (EIA). 2014. *California State Profile and Energy Estimates*. Available at: <http://www.eia.gov/state/?sid=CA#tabs-2> (accessed December 2016).

United States Energy Information Administration (EIA). 2015. *Natural Gas Summary*. Available at: https://www.eia.gov/dnav/ng/ng_sum_lsum_dcu_SCA_a.htm. (accessed December 2016).



Appendix D

Air Quality/Greenhouse Gas Emissions Modeling



San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Annual

San Luis Ranch Project - 2017 Start
San Luis Obispo County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1.23	Acre	1.23	53,361.00	0
Parking Lot	1.00	Acre	1.00	43,560.00	0
Parking Lot	1.30	Acre	1.30	56,628.00	0
Single Family Housing	86.00	Dwelling Unit	8.00	154,800.00	246
Regional Shopping Center	50.00	1000sqft	1.15	50,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2019
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Annual

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 1, 2, and 6, and improvements to Froom Ext and Madonna Rd

Construction Phase - No demolition in phases 1, 2, and 6. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading - Total import proportionally distributed by phase acreage.

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Energy Mitigation - Per Specific Plan, appliances will be energy efficient.

Water Mitigation -

Architectural Coating -

Woodstoves -

Construction Off-road Equipment Mitigation -

Area Mitigation -

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	NumDays	20.00	150.00
tblGrading	MaterialImported	0.00	44,640.00
tblLandUse	BuildingSpaceSquareFeet	53,578.80	53,361.00
tblLandUse	LandUseSquareFeet	53,578.80	53,361.00
tblLandUse	LotAcreage	27.92	8.00
tblProjectCharacteristics	OperationalYear	2018	2019
tblVehicleTrips	ST_TR	49.97	10.38
tblVehicleTrips	ST_TR	9.91	5.29
tblVehicleTrips	SU_TR	25.24	5.24
tblVehicleTrips	SU_TR	8.62	4.61
tblVehicleTrips	WD_TR	42.70	8.87
tblVehicleTrips	WD_TR	9.52	5.09

2.0 Emissions Summary

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2017	4-1-2017	2.8545	2.8545
2	4-2-2017	7-1-2017	1.1887	1.1887
3	7-2-2017	10-1-2017	1.2018	1.2018
4	10-2-2017	1-1-2018	2.6267	2.6267
5	1-2-2018	4-1-2018	2.4309	2.4309
6	4-2-2018	7-1-2018	0.8030	0.8030
		Highest	2.8545	2.8545

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	1.1492	0.0136	1.1774	6.0000e-005		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	1.9141	1.9141	1.8800e-003	0.0000	1.9611
Energy	0.0173	0.1483	0.0655	9.4000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	586.5434	586.5434	0.0221	7.0300e-003	589.1884
Mobile	0.3213	1.2896	3.4596	7.8700e-003	0.6478	0.0118	0.6596	0.1736	0.0111	0.1847	0.0000	718.0401	718.0401	0.0347	0.0000	718.9075
Waste						0.0000	0.0000		0.0000	0.0000	31.1307	0.0000	31.1307	1.8398	0.0000	77.1250
Water						0.0000	0.0000		0.0000	0.0000	2.9526	20.5581	23.5108	0.3042	7.3500e-003	33.3069
Total	1.4877	1.4516	4.7025	8.8700e-003	0.6478	0.0302	0.6780	0.1736	0.0295	0.2031	34.0833	1,327.0557	1,361.1390	2.2026	0.0144	1,420.4888

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, 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	1.1492	0.0136	1.1774	6.0000e-005		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	1.9141	1.9141	1.8800e-003	0.0000	1.9611
Energy	0.0173	0.1483	0.0655	9.4000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	582.3375	582.3375	0.0219	6.9900e-003	584.9661
Mobile	0.3213	1.2896	3.4596	7.8700e-003	0.6478	0.0118	0.6596	0.1736	0.0111	0.1847	0.0000	718.0401	718.0401	0.0347	0.0000	718.9075
Waste						0.0000	0.0000		0.0000	0.0000	31.1307	0.0000	31.1307	1.8398	0.0000	77.1250
Water						0.0000	0.0000		0.0000	0.0000	2.9526	20.5581	23.5108	0.3042	7.3500e-003	33.3069
Total	1.4877	1.4516	4.7025	8.8700e-003	0.6478	0.0302	0.6780	0.1736	0.0295	0.2031	34.0833	1,322.8498	1,356.9332	2.2024	0.0143	1,416.2665

	ROG	NOx	CO	SO2	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	0.32	0.31	0.01	0.28	0.30

3.0 Construction Detail

Construction Phase

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/2/2017	1/13/2017	5	10	
2	Grading	Grading	1/16/2017	2/24/2017	5	30	
3	Building Construction	Building Construction	2/27/2017	4/20/2018	5	300	
4	Architectural Coating	Architectural Coating	10/2/2017	4/27/2018	5	150	
5	Paving	Paving	4/23/2018	5/18/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 3.53

Residential Indoor: 313,470; Residential Outdoor: 104,490; Non-Residential Indoor: 75,000; Non-Residential Outdoor: 25,000; Striped Parking Area: 9,213 (Architectural Coating – sqft)

OffRoad Equipment

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	5,580.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	111.00	43.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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Clean Paved Roads

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0248	0.2614	0.1173	1.9000e-004		0.0144	0.0144		0.0132	0.0132	0.0000	17.6672	17.6672	5.4100e-003	0.0000	17.8025
Total	0.0248	0.2614	0.1173	1.9000e-004	0.0903	0.0144	0.1047	0.0497	0.0132	0.0629	0.0000	17.6672	17.6672	5.4100e-003	0.0000	17.8025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	5.5000e-004	5.4000e-004	4.6600e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7921	0.7921	4.0000e-005	0.0000	0.7930
Total	5.5000e-004	5.4000e-004	4.6600e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7921	0.7921	4.0000e-005	0.0000	0.7930

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3.2 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0248	0.2614	0.1173	1.9000e-004		0.0144	0.0144		0.0132	0.0132	0.0000	17.6672	17.6672	5.4100e-003	0.0000	17.8025
Total	0.0248	0.2614	0.1173	1.9000e-004	0.0903	0.0144	0.1047	0.0497	0.0132	0.0629	0.0000	17.6672	17.6672	5.4100e-003	0.0000	17.8025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	5.5000e-004	5.4000e-004	4.6600e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7921	0.7921	4.0000e-005	0.0000	0.7930
Total	5.5000e-004	5.4000e-004	4.6600e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7921	0.7921	4.0000e-005	0.0000	0.7930

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Annual

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1342	0.0000	0.1342	0.0546	0.0000	0.0546	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0862	1.0191	0.5817	9.3000e-004		0.0461	0.0461		0.0424	0.0424	0.0000	86.3398	86.3398	0.0265	0.0000	87.0011
Total	0.0862	1.0191	0.5817	9.3000e-004	0.1342	0.0461	0.1803	0.0546	0.0424	0.0970	0.0000	86.3398	86.3398	0.0265	0.0000	87.0011

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0398	1.1340	0.2632	2.2600e-003	0.0475	0.0108	0.0583	0.0130	0.0103	0.0233	0.0000	219.9381	219.9381	0.0124	0.0000	220.2484
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8300e-003	1.7900e-003	0.0156	3.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.6404	2.6404	1.2000e-004	0.0000	2.6435
Total	0.0416	1.1358	0.2787	2.2900e-003	0.0504	0.0108	0.0612	0.0138	0.0103	0.0241	0.0000	222.5785	222.5785	0.0125	0.0000	222.8919

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3.3 Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1342	0.0000	0.1342	0.0546	0.0000	0.0546	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0862	1.0191	0.5817	9.3000e-004		0.0461	0.0461		0.0424	0.0424	0.0000	86.3397	86.3397	0.0265	0.0000	87.0010
Total	0.0862	1.0191	0.5817	9.3000e-004	0.1342	0.0461	0.1803	0.0546	0.0424	0.0970	0.0000	86.3397	86.3397	0.0265	0.0000	87.0010

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0398	1.1340	0.2632	2.2600e-003	0.0475	0.0108	0.0583	0.0130	0.0103	0.0233	0.0000	219.9381	219.9381	0.0124	0.0000	220.2484
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8300e-003	1.7900e-003	0.0156	3.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.6404	2.6404	1.2000e-004	0.0000	2.6435
Total	0.0416	1.1358	0.2787	2.2900e-003	0.0504	0.0108	0.0612	0.0138	0.0103	0.0241	0.0000	222.5785	222.5785	0.0125	0.0000	222.8919

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3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3426	2.9210	2.0001	2.9600e-003		0.1967	0.1967		0.1847	0.1847	0.0000	264.5421	264.5421	0.0652	0.0000	266.1715
Total	0.3426	2.9210	2.0001	2.9600e-003		0.1967	0.1967		0.1847	0.1847	0.0000	264.5421	264.5421	0.0652	0.0000	266.1715

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0292	0.6001	0.2142	9.5000e-004	0.0215	6.5100e-003	0.0280	6.2000e-003	6.2200e-003	0.0124	0.0000	91.2452	91.2452	6.3700e-003	0.0000	91.4044
Worker	0.0747	0.0727	0.6327	1.1900e-003	0.1176	8.7000e-004	0.1184	0.0312	8.0000e-004	0.0320	0.0000	107.4652	107.4652	4.9600e-003	0.0000	107.5892
Total	0.1039	0.6727	0.8469	2.1400e-003	0.1390	7.3800e-003	0.1464	0.0374	7.0200e-003	0.0445	0.0000	198.7104	198.7104	0.0113	0.0000	198.9936

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3.4 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3426	2.9210	2.0001	2.9600e-003		0.1967	0.1967		0.1847	0.1847	0.0000	264.5418	264.5418	0.0652	0.0000	266.1712
Total	0.3426	2.9210	2.0001	2.9600e-003		0.1967	0.1967		0.1847	0.1847	0.0000	264.5418	264.5418	0.0652	0.0000	266.1712

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0292	0.6001	0.2142	9.5000e-004	0.0215	6.5100e-003	0.0280	6.2000e-003	6.2200e-003	0.0124	0.0000	91.2452	91.2452	6.3700e-003	0.0000	91.4044
Worker	0.0747	0.0727	0.6327	1.1900e-003	0.1176	8.7000e-004	0.1184	0.0312	8.0000e-004	0.0320	0.0000	107.4652	107.4652	4.9600e-003	0.0000	107.5892
Total	0.1039	0.6727	0.8469	2.1400e-003	0.1390	7.3800e-003	0.1464	0.0374	7.0200e-003	0.0445	0.0000	198.7104	198.7104	0.0113	0.0000	198.9936

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3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1072	0.9356	0.7032	1.0800e-003		0.0600	0.0600		0.0564	0.0564	0.0000	95.1069	95.1069	0.0233	0.0000	95.6894
Total	0.1072	0.9356	0.7032	1.0800e-003		0.0600	0.0600		0.0564	0.0564	0.0000	95.1069	95.1069	0.0233	0.0000	95.6894

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	9.2500e-003	0.2064	0.0697	3.5000e-004	7.8100e-003	1.9100e-003	9.7200e-003	2.2600e-003	1.8300e-003	4.0900e-003	0.0000	33.2251	33.2251	2.2100e-003	0.0000	33.2802
Worker	0.0238	0.0229	0.1980	4.2000e-004	0.0427	3.0000e-004	0.0430	0.0114	2.8000e-004	0.0116	0.0000	38.0196	38.0196	1.5700e-003	0.0000	38.0588
Total	0.0330	0.2293	0.2678	7.7000e-004	0.0506	2.2100e-003	0.0528	0.0136	2.1100e-003	0.0157	0.0000	71.2447	71.2447	3.7800e-003	0.0000	71.3390

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3.4 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1072	0.9356	0.7032	1.0800e-003		0.0600	0.0600		0.0564	0.0564	0.0000	95.1068	95.1068	0.0233	0.0000	95.6893
Total	0.1072	0.9356	0.7032	1.0800e-003		0.0600	0.0600		0.0564	0.0564	0.0000	95.1068	95.1068	0.0233	0.0000	95.6893

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	9.2500e-003	0.2064	0.0697	3.5000e-004	7.8100e-003	1.9100e-003	9.7200e-003	2.2600e-003	1.8300e-003	4.0900e-003	0.0000	33.2251	33.2251	2.2100e-003	0.0000	33.2802
Worker	0.0238	0.0229	0.1980	4.2000e-004	0.0427	3.0000e-004	0.0430	0.0114	2.8000e-004	0.0116	0.0000	38.0196	38.0196	1.5700e-003	0.0000	38.0588
Total	0.0330	0.2293	0.2678	7.7000e-004	0.0506	2.2100e-003	0.0528	0.0136	2.1100e-003	0.0157	0.0000	71.2447	71.2447	3.7800e-003	0.0000	71.3390

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3.5 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.3143					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.0710	0.0607	1.0000e-004		5.6300e-003	5.6300e-003		5.6300e-003	5.6300e-003	0.0000	8.2981	8.2981	8.8000e-004	0.0000	8.3200
Total	1.3251	0.0710	0.0607	1.0000e-004		5.6300e-003	5.6300e-003		5.6300e-003	5.6300e-003	0.0000	8.2981	8.2981	8.8000e-004	0.0000	8.3200

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	4.3700e-003	4.2600e-003	0.0371	7.0000e-005	6.8800e-003	5.0000e-005	6.9300e-003	1.8300e-003	5.0000e-005	1.8800e-003	0.0000	6.2930	6.2930	2.9000e-004	0.0000	6.3003
Total	4.3700e-003	4.2600e-003	0.0371	7.0000e-005	6.8800e-003	5.0000e-005	6.9300e-003	1.8300e-003	5.0000e-005	1.8800e-003	0.0000	6.2930	6.2930	2.9000e-004	0.0000	6.3003

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3.5 Architectural Coating - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.3143					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.0710	0.0607	1.0000e-004		5.6300e-003	5.6300e-003		5.6300e-003	5.6300e-003	0.0000	8.2981	8.2981	8.8000e-004	0.0000	8.3200
Total	1.3251	0.0710	0.0607	1.0000e-004		5.6300e-003	5.6300e-003		5.6300e-003	5.6300e-003	0.0000	8.2981	8.2981	8.8000e-004	0.0000	8.3200

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	4.3700e-003	4.2600e-003	0.0371	7.0000e-005	6.8800e-003	5.0000e-005	6.9300e-003	1.8300e-003	5.0000e-005	1.8800e-003	0.0000	6.2930	6.2930	2.9000e-004	0.0000	6.3003
Total	4.3700e-003	4.2600e-003	0.0371	7.0000e-005	6.8800e-003	5.0000e-005	6.9300e-003	1.8300e-003	5.0000e-005	1.8800e-003	0.0000	6.2930	6.2930	2.9000e-004	0.0000	6.3003

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3.5 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.7187					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.0852	0.0788	1.3000e-004		6.4000e-003	6.4000e-003		6.4000e-003	6.4000e-003	0.0000	10.8514	10.8514	1.0300e-003	0.0000	10.8771
Total	1.7314	0.0852	0.0788	1.3000e-004		6.4000e-003	6.4000e-003		6.4000e-003	6.4000e-003	0.0000	10.8514	10.8514	1.0300e-003	0.0000	10.8771

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	5.0000e-003	4.8200e-003	0.0417	9.0000e-005	9.0000e-003	6.0000e-005	9.0600e-003	2.3900e-003	6.0000e-005	2.4500e-003	0.0000	8.0064	8.0064	3.3000e-004	0.0000	8.0146
Total	5.0000e-003	4.8200e-003	0.0417	9.0000e-005	9.0000e-003	6.0000e-005	9.0600e-003	2.3900e-003	6.0000e-005	2.4500e-003	0.0000	8.0064	8.0064	3.3000e-004	0.0000	8.0146

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3.5 Architectural Coating - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.7187					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.0852	0.0788	1.3000e-004		6.4000e-003	6.4000e-003		6.4000e-003	6.4000e-003	0.0000	10.8513	10.8513	1.0300e-003	0.0000	10.8771
Total	1.7314	0.0852	0.0788	1.3000e-004		6.4000e-003	6.4000e-003		6.4000e-003	6.4000e-003	0.0000	10.8513	10.8513	1.0300e-003	0.0000	10.8771

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	5.0000e-003	4.8200e-003	0.0417	9.0000e-005	9.0000e-003	6.0000e-005	9.0600e-003	2.3900e-003	6.0000e-005	2.4500e-003	0.0000	8.0064	8.0064	3.3000e-004	0.0000	8.0146
Total	5.0000e-003	4.8200e-003	0.0417	9.0000e-005	9.0000e-003	6.0000e-005	9.0600e-003	2.3900e-003	6.0000e-005	2.4500e-003	0.0000	8.0064	8.0064	3.3000e-004	0.0000	8.0146

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3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0164	0.1752	0.1480	2.3000e-004		9.5600e-003	9.5600e-003		8.8000e-003	8.8000e-003	0.0000	20.8116	20.8116	6.4800e-003	0.0000	20.9736
Paving	4.6200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0211	0.1752	0.1480	2.3000e-004		9.5600e-003	9.5600e-003		8.8000e-003	8.8000e-003	0.0000	20.8116	20.8116	6.4800e-003	0.0000	20.9736

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	8.0000e-004	7.7000e-004	6.6900e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2845	1.2845	5.0000e-005	0.0000	1.2858
Total	8.0000e-004	7.7000e-004	6.6900e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2845	1.2845	5.0000e-005	0.0000	1.2858

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3.6 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0164	0.1752	0.1480	2.3000e-004		9.5600e-003	9.5600e-003		8.8000e-003	8.8000e-003	0.0000	20.8116	20.8116	6.4800e-003	0.0000	20.9736
Paving	4.6200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0211	0.1752	0.1480	2.3000e-004		9.5600e-003	9.5600e-003		8.8000e-003	8.8000e-003	0.0000	20.8116	20.8116	6.4800e-003	0.0000	20.9736

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	8.0000e-004	7.7000e-004	6.6900e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2845	1.2845	5.0000e-005	0.0000	1.2858
Total	8.0000e-004	7.7000e-004	6.6900e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2845	1.2845	5.0000e-005	0.0000	1.2858

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3213	1.2896	3.4596	7.8700e-003	0.6478	0.0118	0.6596	0.1736	0.0111	0.1847	0.0000	718.0401	718.0401	0.0347	0.0000	718.9075
Unmitigated	0.3213	1.2896	3.4596	7.8700e-003	0.6478	0.0118	0.6596	0.1736	0.0111	0.1847	0.0000	718.0401	718.0401	0.0347	0.0000	718.9075

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	443.50	519.00	262.00	618,505	618,505
Single Family Housing	437.74	454.94	396.46	1,103,798	1,103,798
Total	881.24	973.94	658.46	1,722,303	1,722,303

4.3 Trip Type Information

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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
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852
Parking Lot	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852
Parking Lot	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852
Single Family Housing	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852
Regional Shopping Center	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	410.9905	410.9905	0.0186	3.8400e-003	412.6009
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	415.1963	415.1963	0.0188	3.8800e-003	416.8232
NaturalGas Mitigated	0.0173	0.1483	0.0655	9.4000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	171.3470	171.3470	3.2800e-003	3.1400e-003	172.3653
NaturalGas Unmitigated	0.0173	0.1483	0.0655	9.4000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	171.3470	171.3470	3.2800e-003	3.1400e-003	172.3653

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					
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
Regional Shopping Center	119000	6.4000e-004	5.8300e-003	4.9000e-003	4.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	6.3503	6.3503	1.2000e-004	1.2000e-004	6.3880
Single Family Housing	3.09192e+006	0.0167	0.1425	0.0606	9.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	164.9967	164.9967	3.1600e-003	3.0200e-003	165.9772
Total		0.0173	0.1483	0.0655	9.5000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	171.3470	171.3470	3.2800e-003	3.1400e-003	172.3653

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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
Regional Shopping Center	119000	6.4000e-004	5.8300e-003	4.9000e-003	4.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	6.3503	6.3503	1.2000e-004	1.2000e-004	6.3880
Single Family Housing	3.09192e+006	0.0167	0.1425	0.0606	9.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	164.9967	164.9967	3.1600e-003	3.0200e-003	165.9772
Total		0.0173	0.1483	0.0655	9.5000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	171.3470	171.3470	3.2800e-003	3.1400e-003	172.3653

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	38332.8	11.1515	5.0000e-004	1.0000e-004	11.1952
Parking Lot	46957.7	13.6605	6.2000e-004	1.3000e-004	13.7141
Parking Lot	49832.6	14.4969	6.6000e-004	1.4000e-004	14.5537
Regional Shopping Center	547500	159.2740	7.2000e-003	1.4900e-003	159.8981
Single Family Housing	744603	216.6134	9.7900e-003	2.0300e-003	217.4622
Total		415.1963	0.0188	3.8900e-003	416.8232

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	38332.8	11.1515	5.0000e-004	1.0000e-004	11.1952
Parking Lot	46957.7	13.6605	6.2000e-004	1.3000e-004	13.7141
Parking Lot	49832.6	14.4969	6.6000e-004	1.4000e-004	14.5537
Regional Shopping Center	547500	159.2740	7.2000e-003	1.4900e-003	159.8981
Single Family Housing	730145	212.4076	9.6000e-003	1.9900e-003	213.2399
Total		410.9905	0.0186	3.8500e-003	412.6009

6.0 Area Detail**6.1 Mitigation Measures Area**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.1492	0.0136	1.1774	6.0000e-005		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	1.9141	1.9141	1.8800e-003	0.0000	1.9611
Unmitigated	1.1492	0.0136	1.1774	6.0000e-005		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	1.9141	1.9141	1.8800e-003	0.0000	1.9611

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	0.3033					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8098					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	0.0361	0.0136	1.1774	6.0000e-005		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	1.9141	1.9141	1.8800e-003	0.0000	1.9611
Total	1.1492	0.0136	1.1774	6.0000e-005		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	1.9141	1.9141	1.8800e-003	0.0000	1.9611

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3033					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8098					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	0.0361	0.0136	1.1774	6.0000e-005		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	1.9141	1.9141	1.8800e-003	0.0000	1.9611
Total	1.1492	0.0136	1.1774	6.0000e-005		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	1.9141	1.9141	1.8800e-003	0.0000	1.9611

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	23.5108	0.3042	7.3500e-003	33.3069
Unmitigated	23.5108	0.3042	7.3500e-003	33.3069

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	3.70363 / 2.26996	9.3162	0.1211	2.9300e-003	13.2144
Single Family Housing	5.60325 / 3.53248	14.1946	0.1831	4.4300e-003	20.0925
Total		23.5108	0.3042	7.3600e-003	33.3069

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7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	3.70363 / 2.26996	9.3162	0.1211	2.9300e-003	13.2144
Single Family Housing	5.60325 / 3.53248	14.1946	0.1831	4.4300e-003	20.0925
Total		23.5108	0.3042	7.3600e-003	33.3069

8.0 Waste Detail**8.1 Mitigation Measures Waste**

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	31.1307	1.8398	0.0000	77.1250
Unmitigated	31.1307	1.8398	0.0000	77.1250

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	52.5	10.6570	0.6298	0.0000	26.4023
Single Family Housing	100.86	20.4737	1.2100	0.0000	50.7227
Total		31.1307	1.8398	0.0000	77.1250

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	52.5	10.6570	0.6298	0.0000	26.4023
Single Family Housing	100.86	20.4737	1.2100	0.0000	50.7227
Total		31.1307	1.8398	0.0000	77.1250

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

San Luis Ranch Project - 2017 Start
San Luis Obispo County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1.23	Acre	1.23	53,361.00	0
Parking Lot	1.00	Acre	1.00	43,560.00	0
Parking Lot	1.30	Acre	1.30	56,628.00	0
Single Family Housing	86.00	Dwelling Unit	8.00	154,800.00	246
Regional Shopping Center	50.00	1000sqft	1.15	50,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2019
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 1, 2, and 6, and improvements to Froom Ext and Madonna Rd

Construction Phase - No demolition in phases 1, 2, and 6. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading - Total import proportionally distributed by phase acreage.

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Energy Mitigation - Per Specific Plan, appliances will be energy efficient.

Water Mitigation -

Architectural Coating -

Woodstoves -

Construction Off-road Equipment Mitigation -

Area Mitigation -

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	NumDays	20.00	150.00
tblGrading	MaterialImported	0.00	44,640.00
tblLandUse	BuildingSpaceSquareFeet	53,578.80	53,361.00
tblLandUse	LandUseSquareFeet	53,578.80	53,361.00
tblLandUse	LotAcreage	27.92	8.00
tblProjectCharacteristics	OperationalYear	2018	2019
tblVehicleTrips	ST_TR	49.97	10.38
tblVehicleTrips	ST_TR	9.91	5.29
tblVehicleTrips	SU_TR	25.24	5.24
tblVehicleTrips	SU_TR	8.62	4.61
tblVehicleTrips	WD_TR	42.70	8.87
tblVehicleTrips	WD_TR	9.52	5.09

2.0 Emissions Summary

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.3178	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391	0.0000	12.7872	12.7872	0.0126	0.0000	13.1015
Energy	0.0949	0.8126	0.3591	5.1700e-003		0.0656	0.0656		0.0656	0.0656		1,034.9466	1,034.9466	0.0198	0.0190	1,041.0968
Mobile	2.0776	7.5945	20.8086	0.0495	4.0423	0.0715	4.1139	1.0808	0.0676	1.1484		4,977.7921	4,977.7921	0.2324		4,983.6018
Total	8.4902	8.4898	28.3034	0.0550	4.0423	0.1762	4.2185	1.0808	0.1722	1.2530	0.0000	6,025.5259	6,025.5259	0.2648	0.0190	6,037.8001

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.3178	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391	0.0000	12.7872	12.7872	0.0126	0.0000	13.1015
Energy	0.0949	0.8126	0.3591	5.1700e-003		0.0656	0.0656		0.0656	0.0656		1,034.9466	1,034.9466	0.0198	0.0190	1,041.0968
Mobile	2.0776	7.5945	20.8086	0.0495	4.0423	0.0715	4.1139	1.0808	0.0676	1.1484		4,977.7921	4,977.7921	0.2324		4,983.6018
Total	8.4902	8.4898	28.3034	0.0550	4.0423	0.1762	4.2185	1.0808	0.1722	1.2530	0.0000	6,025.5259	6,025.5259	0.2648	0.0190	6,037.8001

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/2/2017	1/13/2017	5	10	
2	Grading	Grading	1/16/2017	2/24/2017	5	30	
3	Building Construction	Building Construction	2/27/2017	4/20/2018	5	300	
4	Architectural Coating	Architectural Coating	10/2/2017	4/27/2018	5	150	
5	Paving	Paving	4/23/2018	5/18/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 3.53

Residential Indoor: 313,470; Residential Outdoor: 104,490; Non-Residential Indoor: 75,000; Non-Residential Outdoor: 25,000; Striped Parking Area: 9,213 (Architectural Coating – sqft)

OffRoad Equipment

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	5,580.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	111.00	43.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

Clean Paved Roads

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.9608	52.2754	23.4554	0.0380		2.8786	2.8786		2.6483	2.6483		3,894.9500	3,894.9500	1.1934		3,924.7852
Total	4.9608	52.2754	23.4554	0.0380	18.0663	2.8786	20.9448	9.9307	2.6483	12.5790		3,894.9500	3,894.9500	1.1934		3,924.7852

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1074	0.0962	0.9501	1.8300e-003	0.1780	1.2800e-003	0.1792	0.0472	1.1900e-003	0.0484		181.6904	181.6904	8.2200e-003		181.8959
Total	0.1074	0.0962	0.9501	1.8300e-003	0.1780	1.2800e-003	0.1792	0.0472	1.1900e-003	0.0484		181.6904	181.6904	8.2200e-003		181.8959

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.2 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.9608	52.2754	23.4554	0.0380		2.8786	2.8786		2.6483	2.6483	0.0000	3,894.9500	3,894.9500	1.1934		3,924.7852
Total	4.9608	52.2754	23.4554	0.0380	18.0663	2.8786	20.9448	9.9307	2.6483	12.5790	0.0000	3,894.9500	3,894.9500	1.1934		3,924.7852

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1074	0.0962	0.9501	1.8300e-003	0.1780	1.2800e-003	0.1792	0.0472	1.1900e-003	0.0484		181.6904	181.6904	8.2200e-003		181.8959
Total	0.1074	0.0962	0.9501	1.8300e-003	0.1780	1.2800e-003	0.1792	0.0472	1.1900e-003	0.0484		181.6904	181.6904	8.2200e-003		181.8959

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.9472	0.0000	8.9472	3.6380	0.0000	3.6380			0.0000			0.0000
Off-Road	5.7483	67.9396	38.7826	0.0620		3.0727	3.0727		2.8269	2.8269		6,344.8863	6,344.8863	1.9441		6,393.4879
Total	5.7483	67.9396	38.7826	0.0620	8.9472	3.0727	12.0199	3.6380	2.8269	6.4649		6,344.8863	6,344.8863	1.9441		6,393.4879

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.6259	73.9973	17.0575	0.1516	3.2418	0.7132	3.9550	0.8878	0.6824	1.5701		16,250.6472	16,250.6472	0.8973		16,273.0791
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1193	0.1069	1.0556	2.0300e-003	0.1977	1.4200e-003	0.1992	0.0524	1.3200e-003	0.0538		201.8782	201.8782	9.1300e-003		202.1066
Total	2.7453	74.1042	18.1131	0.1537	3.4395	0.7147	4.1542	0.9402	0.6837	1.6239		16,452.5254	16,452.5254	0.9064		16,475.1856

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.3 Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.9472	0.0000	8.9472	3.6380	0.0000	3.6380			0.0000			0.0000
Off-Road	5.7483	67.9396	38.7826	0.0620		3.0727	3.0727		2.8269	2.8269	0.0000	6,344.8863	6,344.8863	1.9441		6,393.4878
Total	5.7483	67.9396	38.7826	0.0620	8.9472	3.0727	12.0199	3.6380	2.8269	6.4649	0.0000	6,344.8863	6,344.8863	1.9441		6,393.4878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.6259	73.9973	17.0575	0.1516	3.2418	0.7132	3.9550	0.8878	0.6824	1.5701		16,250.6472	16,250.6472	0.8973		16,273.0791
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1193	0.1069	1.0556	2.0300e-003	0.1977	1.4200e-003	0.1992	0.0524	1.3200e-003	0.0538		201.8782	201.8782	9.1300e-003		202.1066
Total	2.7453	74.1042	18.1131	0.1537	3.4395	0.7147	4.1542	0.9402	0.6837	1.6239		16,452.5254	16,452.5254	0.9064		16,475.1856

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1149	26.5546	18.1825	0.0269		1.7879	1.7879		1.6791	1.6791		2,650.9797	2,650.9797	0.6531		2,667.3078
Total	3.1149	26.5546	18.1825	0.0269		1.7879	1.7879		1.6791	1.6791		2,650.9797	2,650.9797	0.6531		2,667.3078

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2599	5.3897	1.8358	8.7300e-003	0.1995	0.0586	0.2581	0.0575	0.0560	0.1135		924.9468	924.9468	0.0618		926.4905
Worker	0.6622	0.5934	5.8587	0.0113	1.0974	7.9000e-003	1.1053	0.2910	7.3200e-003	0.2984		1,120.4241	1,120.4241	0.0507		1,121.6913
Total	0.9222	5.9831	7.6945	0.0200	1.2969	0.0665	1.3633	0.3485	0.0634	0.4118		2,045.3710	2,045.3710	0.1124		2,048.1819

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.4 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1149	26.5546	18.1825	0.0269		1.7879	1.7879		1.6791	1.6791	0.0000	2,650.9797	2,650.9797	0.6531		2,667.3078
Total	3.1149	26.5546	18.1825	0.0269		1.7879	1.7879		1.6791	1.6791	0.0000	2,650.9797	2,650.9797	0.6531		2,667.3078

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2599	5.3897	1.8358	8.7300e-003	0.1995	0.0586	0.2581	0.0575	0.0560	0.1135		924.9468	924.9468	0.0618		926.4905
Worker	0.6622	0.5934	5.8587	0.0113	1.0974	7.9000e-003	1.1053	0.2910	7.3200e-003	0.2984		1,120.4241	1,120.4241	0.0507		1,121.6913
Total	0.9222	5.9831	7.6945	0.0200	1.2969	0.0665	1.3633	0.3485	0.0634	0.4118		2,045.3710	2,045.3710	0.1124		2,048.1819

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2262	5.1028	1.6406	8.7300e-003	0.1995	0.0474	0.2469	0.0575	0.0453	0.1028		926.6986	926.6986	0.0588		928.1688
Worker	0.5808	0.5139	5.0685	0.0110	1.0974	7.5000e-003	1.1049	0.2910	6.9400e-003	0.2980		1,090.1903	1,090.1903	0.0441		1,091.2938
Total	0.8069	5.6166	6.7090	0.0197	1.2969	0.0549	1.3517	0.3485	0.0522	0.4007		2,016.8889	2,016.8889	0.1030		2,019.4626

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.4 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2262	5.1028	1.6406	8.7300e-003	0.1995	0.0474	0.2469	0.0575	0.0453	0.1028		926.6986	926.6986	0.0588		928.1688
Worker	0.5808	0.5139	5.0685	0.0110	1.0974	7.5000e-003	1.1049	0.2910	6.9400e-003	0.2980		1,090.190 3	1,090.190 3	0.0441		1,091.293 8
Total	0.8069	5.6166	6.7090	0.0197	1.2969	0.0549	1.3517	0.3485	0.0522	0.4007		2,016.888 9	2,016.888 9	0.1030		2,019.462 6

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.5 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	40.4394					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.1909
Total	40.7717	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.1909

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1313	0.1176	1.1612	2.2400e-003	0.2175	1.5700e-003	0.2191	0.0577	1.4500e-003	0.0591		222.0661	222.0661	0.0101		222.3172
Total	0.1313	0.1176	1.1612	2.2400e-003	0.2175	1.5700e-003	0.2191	0.0577	1.4500e-003	0.0591		222.0661	222.0661	0.0101		222.3172

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.5 Architectural Coating - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	40.4394					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297		282.1909
Total	40.7717	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297		282.1909

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1313	0.1176	1.1612	2.2400e-003	0.2175	1.5700e-003	0.2191	0.0577	1.4500e-003	0.0591		222.0661	222.0661	0.0101		222.3172
Total	0.1313	0.1176	1.1612	2.2400e-003	0.2175	1.5700e-003	0.2191	0.0577	1.4500e-003	0.0591		222.0661	222.0661	0.0101		222.3172

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.5 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	40.4394					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	40.7381	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1151	0.1018	1.0046	2.1700e-003	0.2175	1.4900e-003	0.2190	0.0577	1.3700e-003	0.0591		216.0738	216.0738	8.7500e-003		216.2925
Total	0.1151	0.1018	1.0046	2.1700e-003	0.2175	1.4900e-003	0.2190	0.0577	1.3700e-003	0.0591		216.0738	216.0738	8.7500e-003		216.2925

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.5 Architectural Coating - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	40.4394					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
Total	40.7381	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1151	0.1018	1.0046	2.1700e-003	0.2175	1.4900e-003	0.2190	0.0577	1.3700e-003	0.0591		216.0738	216.0738	8.7500e-003		216.2925
Total	0.1151	0.1018	1.0046	2.1700e-003	0.2175	1.4900e-003	0.2190	0.0577	1.3700e-003	0.0591		216.0738	216.0738	8.7500e-003		216.2925

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.4624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.1061	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0785	0.0694	0.6849	1.4800e-003	0.1483	1.0100e-003	0.1493	0.0393	9.4000e-004	0.0403		147.3230	147.3230	5.9600e-003		147.4721
Total	0.0785	0.0694	0.6849	1.4800e-003	0.1483	1.0100e-003	0.1493	0.0393	9.4000e-004	0.0403		147.3230	147.3230	5.9600e-003		147.4721

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.6 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.4624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.1061	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0785	0.0694	0.6849	1.4800e-003	0.1483	1.0100e-003	0.1493	0.0393	9.4000e-004	0.0403		147.3230	147.3230	5.9600e-003		147.4721
Total	0.0785	0.0694	0.6849	1.4800e-003	0.1483	1.0100e-003	0.1493	0.0393	9.4000e-004	0.0403		147.3230	147.3230	5.9600e-003		147.4721

4.0 Operational Detail - Mobile

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0776	7.5945	20.8086	0.0495	4.0423	0.0715	4.1139	1.0808	0.0676	1.1484		4,977.7921	4,977.7921	0.2324		4,983.6018
Unmitigated	2.0776	7.5945	20.8086	0.0495	4.0423	0.0715	4.1139	1.0808	0.0676	1.1484		4,977.7921	4,977.7921	0.2324		4,983.6018

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	443.50	519.00	262.00	618,505	618,505
Single Family Housing	437.74	454.94	396.46	1,103,798	1,103,798
Total	881.24	973.94	658.46	1,722,303	1,722,303

4.3 Trip Type Information

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852
Parking Lot	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852
Parking Lot	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852
Single Family Housing	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852
Regional Shopping Center	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0949	0.8126	0.3591	5.1700e-003		0.0656	0.0656		0.0656	0.0656		1,034.9466	1,034.9466	0.0198	0.0190	1,041.0968
NaturalGas Unmitigated	0.0949	0.8126	0.3591	5.1700e-003		0.0656	0.0656		0.0656	0.0656		1,034.9466	1,034.9466	0.0198	0.0190	1,041.0968

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					
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
Regional Shopping Center	326.027	3.5200e-003	0.0320	0.0269	1.9000e-004		2.4300e-003	2.4300e-003		2.4300e-003	2.4300e-003		38.3562	38.3562	7.4000e-004	7.0000e-004	38.5841
Single Family Housing	8471.02	0.0914	0.7807	0.3322	4.9800e-003		0.0631	0.0631		0.0631	0.0631		996.5905	996.5905	0.0191	0.0183	1,002.5127
Total		0.0949	0.8126	0.3591	5.1700e-003		0.0656	0.0656		0.0656	0.0656		1,034.9466	1,034.9466	0.0198	0.0190	1,041.0968

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
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
Regional Shopping Center	0.326027	3.5200e-003	0.0320	0.0269	1.9000e-004		2.4300e-003	2.4300e-003		2.4300e-003	2.4300e-003		38.3562	38.3562	7.4000e-004	7.0000e-004	38.5841	
Single Family Housing	8.47102	0.0914	0.7807	0.3322	4.9800e-003		0.0631	0.0631		0.0631	0.0631		996.5905	996.5905	0.0191	0.0183	1,002.5127	
Total		0.0949	0.8126	0.3591	5.1700e-003		0.0656	0.0656		0.0656	0.0656		1,034.9466	1,034.9466	0.0198	0.0190	1,041.0968	

6.0 Area Detail

6.1 Mitigation Measures Area

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.3178	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391	0.0000	12.7872	12.7872	0.0126	0.0000	13.1015
Unmitigated	6.3178	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391	0.0000	12.7872	12.7872	0.0126	0.0000	13.1015

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	1.6619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.4371					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	0.2188	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391		12.7872	12.7872	0.0126		13.1015
Total	6.3178	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391	0.0000	12.7872	12.7872	0.0126	0.0000	13.1015

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.6619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.4371					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	0.2188	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391		12.7872	12.7872	0.0126		13.1015
Total	6.3178	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391	0.0000	12.7872	12.7872	0.0126	0.0000	13.1015

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

San Luis Ranch Project - 2017 Start
San Luis Obispo County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1.23	Acre	1.23	53,361.00	0
Parking Lot	1.00	Acre	1.00	43,560.00	0
Parking Lot	1.30	Acre	1.30	56,628.00	0
Single Family Housing	86.00	Dwelling Unit	8.00	154,800.00	246
Regional Shopping Center	50.00	1000sqft	1.15	50,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2019
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 1, 2, and 6, and improvements to Froom Ext and Madonna Rd

Construction Phase - No demolition in phases 1, 2, and 6. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading - Total import proportionally distributed by phase acreage.

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Energy Mitigation - Per Specific Plan, appliances will be energy efficient.

Water Mitigation -

Architectural Coating -

Woodstoves -

Construction Off-road Equipment Mitigation -

Area Mitigation -

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	NumDays	20.00	150.00
tblGrading	MaterialImported	0.00	44,640.00
tblLandUse	BuildingSpaceSquareFeet	53,578.80	53,361.00
tblLandUse	LandUseSquareFeet	53,578.80	53,361.00
tblLandUse	LotAcreage	27.92	8.00
tblProjectCharacteristics	OperationalYear	2018	2019
tblVehicleTrips	ST_TR	49.97	10.38
tblVehicleTrips	ST_TR	9.91	5.29
tblVehicleTrips	SU_TR	25.24	5.24
tblVehicleTrips	SU_TR	8.62	4.61
tblVehicleTrips	WD_TR	42.70	8.87
tblVehicleTrips	WD_TR	9.52	5.09

2.0 Emissions Summary

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.3178	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391	0.0000	12.7872	12.7872	0.0126	0.0000	13.1015
Energy	0.0949	0.8126	0.3591	5.1700e-003		0.0656	0.0656		0.0656	0.0656		1,034.9466	1,034.9466	0.0198	0.0190	1,041.0968
Mobile	2.0317	7.8849	21.7107	0.0475	4.0423	0.0724	4.1148	1.0808	0.0684	1.1492		4,782.0197	4,782.0197	0.2373		4,787.9522
Total	8.4443	8.7802	29.2055	0.0531	4.0423	0.1771	4.2194	1.0808	0.1731	1.2539	0.0000	5,829.7535	5,829.7535	0.2697	0.0190	5,842.1505

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.3178	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391	0.0000	12.7872	12.7872	0.0126	0.0000	13.1015
Energy	0.0949	0.8126	0.3591	5.1700e-003		0.0656	0.0656		0.0656	0.0656		1,034.9466	1,034.9466	0.0198	0.0190	1,041.0968
Mobile	2.0317	7.8849	21.7107	0.0475	4.0423	0.0724	4.1148	1.0808	0.0684	1.1492		4,782.0197	4,782.0197	0.2373		4,787.9522
Total	8.4443	8.7802	29.2055	0.0531	4.0423	0.1771	4.2194	1.0808	0.1731	1.2539	0.0000	5,829.7535	5,829.7535	0.2697	0.0190	5,842.1505

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/2/2017	1/13/2017	5	10	
2	Grading	Grading	1/16/2017	2/24/2017	5	30	
3	Building Construction	Building Construction	2/27/2017	4/20/2018	5	300	
4	Architectural Coating	Architectural Coating	10/2/2017	4/27/2018	5	150	
5	Paving	Paving	4/23/2018	5/18/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 3.53

Residential Indoor: 313,470; Residential Outdoor: 104,490; Non-Residential Indoor: 75,000; Non-Residential Outdoor: 25,000; Striped Parking Area: 9,213 (Architectural Coating – sqft)

OffRoad Equipment

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	5,580.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	111.00	43.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

Clean Paved Roads

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.9608	52.2754	23.4554	0.0380		2.8786	2.8786		2.6483	2.6483		3,894.950 0	3,894.950 0	1.1934		3,924.785 2
Total	4.9608	52.2754	23.4554	0.0380	18.0663	2.8786	20.9448	9.9307	2.6483	12.5790		3,894.950 0	3,894.950 0	1.1934		3,924.785 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1220	0.1091	0.9425	1.7400e-003	0.1780	1.2800e-003	0.1792	0.0472	1.1900e-003	0.0484		173.2291	173.2291	8.0700e-003		173.4309
Total	0.1220	0.1091	0.9425	1.7400e-003	0.1780	1.2800e-003	0.1792	0.0472	1.1900e-003	0.0484		173.2291	173.2291	8.0700e-003		173.4309

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.2 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.9608	52.2754	23.4554	0.0380		2.8786	2.8786		2.6483	2.6483	0.0000	3,894.9500	3,894.9500	1.1934		3,924.7852
Total	4.9608	52.2754	23.4554	0.0380	18.0663	2.8786	20.9448	9.9307	2.6483	12.5790	0.0000	3,894.9500	3,894.9500	1.1934		3,924.7852

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1220	0.1091	0.9425	1.7400e-003	0.1780	1.2800e-003	0.1792	0.0472	1.1900e-003	0.0484		173.2291	173.2291	8.0700e-003		173.4309
Total	0.1220	0.1091	0.9425	1.7400e-003	0.1780	1.2800e-003	0.1792	0.0472	1.1900e-003	0.0484		173.2291	173.2291	8.0700e-003		173.4309

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.9472	0.0000	8.9472	3.6380	0.0000	3.6380			0.0000			0.0000
Off-Road	5.7483	67.9396	38.7826	0.0620		3.0727	3.0727		2.8269	2.8269		6,344.8863	6,344.8863	1.9441		6,393.4879
Total	5.7483	67.9396	38.7826	0.0620	8.9472	3.0727	12.0199	3.6380	2.8269	6.4649		6,344.8863	6,344.8863	1.9441		6,393.4879

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.6880	74.7048	18.1277	0.1497	3.2418	0.7237	3.9655	0.8878	0.6924	1.5802		16,041.2137	16,041.2137	0.9288		16,064.4338
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1356	0.1213	1.0473	1.9400e-003	0.1977	1.4200e-003	0.1992	0.0524	1.3200e-003	0.0538		192.4768	192.4768	8.9700e-003		192.7010
Total	2.8236	74.8261	19.1750	0.1516	3.4395	0.7251	4.1647	0.9402	0.6937	1.6339		16,233.6905	16,233.6905	0.9378		16,257.1348

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.3 Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.9472	0.0000	8.9472	3.6380	0.0000	3.6380			0.0000			0.0000
Off-Road	5.7483	67.9396	38.7826	0.0620		3.0727	3.0727		2.8269	2.8269	0.0000	6,344.8863	6,344.8863	1.9441		6,393.4878
Total	5.7483	67.9396	38.7826	0.0620	8.9472	3.0727	12.0199	3.6380	2.8269	6.4649	0.0000	6,344.8863	6,344.8863	1.9441		6,393.4878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.6880	74.7048	18.1277	0.1497	3.2418	0.7237	3.9655	0.8878	0.6924	1.5802		16,041.2137	16,041.2137	0.9288		16,064.4338
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1356	0.1213	1.0473	1.9400e-003	0.1977	1.4200e-003	0.1992	0.0524	1.3200e-003	0.0538		192.4768	192.4768	8.9700e-003		192.7010
Total	2.8236	74.8261	19.1750	0.1516	3.4395	0.7251	4.1647	0.9402	0.6937	1.6339		16,233.6905	16,233.6905	0.9378		16,257.1348

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1149	26.5546	18.1825	0.0269		1.7879	1.7879		1.6791	1.6791		2,650.9797	2,650.9797	0.6531		2,667.3078
Total	3.1149	26.5546	18.1825	0.0269		1.7879	1.7879		1.6791	1.6791		2,650.9797	2,650.9797	0.6531		2,667.3078

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2732	5.3830	2.0493	8.5000e-003	0.1995	0.0599	0.2594	0.0575	0.0574	0.1148		899.7995	899.7995	0.0660		901.4487
Worker	0.7525	0.6730	5.8123	0.0108	1.0974	7.9000e-003	1.1053	0.2910	7.3200e-003	0.2984		1,068.2461	1,068.2461	0.0498		1,069.4903
Total	1.0257	6.0560	7.8616	0.0193	1.2969	0.0678	1.3647	0.3485	0.0647	0.4132		1,968.0456	1,968.0456	0.1157		1,970.9390

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.4 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1149	26.5546	18.1825	0.0269		1.7879	1.7879		1.6791	1.6791	0.0000	2,650.9797	2,650.9797	0.6531		2,667.3078
Total	3.1149	26.5546	18.1825	0.0269		1.7879	1.7879		1.6791	1.6791	0.0000	2,650.9797	2,650.9797	0.6531		2,667.3078

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2732	5.3830	2.0493	8.5000e-003	0.1995	0.0599	0.2594	0.0575	0.0574	0.1148		899.7995	899.7995	0.0660		901.4487
Worker	0.7525	0.6730	5.8123	0.0108	1.0974	7.9000e-003	1.1053	0.2910	7.3200e-003	0.2984		1,068.2461	1,068.2461	0.0498		1,069.4903
Total	1.0257	6.0560	7.8616	0.0193	1.2969	0.0678	1.3647	0.3485	0.0647	0.4132		1,968.0456	1,968.0456	0.1157		1,970.9390

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2379	5.0900	1.8373	8.4900e-003	0.1995	0.0486	0.2481	0.0575	0.0465	0.1039		900.3348	900.3348	0.0629		901.9066
Worker	0.6598	0.5831	4.9891	0.0105	1.0974	7.5000e-003	1.1049	0.2910	6.9400e-003	0.2980		1,039.2835	1,039.2835	0.0431		1,040.3619
Total	0.8976	5.6731	6.8264	0.0190	1.2969	0.0561	1.3529	0.3485	0.0534	0.4019		1,939.6183	1,939.6183	0.1060		1,942.2685

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.4 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2379	5.0900	1.8373	8.4900e-003	0.1995	0.0486	0.2481	0.0575	0.0465	0.1039		900.3348	900.3348	0.0629		901.9066
Worker	0.6598	0.5831	4.9891	0.0105	1.0974	7.5000e-003	1.1049	0.2910	6.9400e-003	0.2980		1,039.283 5	1,039.283 5	0.0431		1,040.361 9
Total	0.8976	5.6731	6.8264	0.0190	1.2969	0.0561	1.3529	0.3485	0.0534	0.4019		1,939.618 3	1,939.618 3	0.1060		1,942.268 5

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.5 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	40.4394					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.1909
Total	40.7717	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.1909

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1492	0.1334	1.1520	2.1300e-003	0.2175	1.5700e-003	0.2191	0.0577	1.4500e-003	0.0591		211.7245	211.7245	9.8600e-003		211.9710
Total	0.1492	0.1334	1.1520	2.1300e-003	0.2175	1.5700e-003	0.2191	0.0577	1.4500e-003	0.0591		211.7245	211.7245	9.8600e-003		211.9710

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.5 Architectural Coating - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	40.4394					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297		282.1909
Total	40.7717	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297		282.1909

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1492	0.1334	1.1520	2.1300e-003	0.2175	1.5700e-003	0.2191	0.0577	1.4500e-003	0.0591		211.7245	211.7245	9.8600e-003		211.9710
Total	0.1492	0.1334	1.1520	2.1300e-003	0.2175	1.5700e-003	0.2191	0.0577	1.4500e-003	0.0591		211.7245	211.7245	9.8600e-003		211.9710

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.5 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	40.4394					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	40.7381	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1308	0.1156	0.9888	2.0700e-003	0.2175	1.4900e-003	0.2190	0.0577	1.3700e-003	0.0591		205.9841	205.9841	8.5500e-003		206.1979
Total	0.1308	0.1156	0.9888	2.0700e-003	0.2175	1.4900e-003	0.2190	0.0577	1.3700e-003	0.0591		205.9841	205.9841	8.5500e-003		206.1979

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.5 Architectural Coating - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	40.4394					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
Total	40.7381	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1308	0.1156	0.9888	2.0700e-003	0.2175	1.4900e-003	0.2190	0.0577	1.3700e-003	0.0591		205.9841	205.9841	8.5500e-003		206.1979
Total	0.1308	0.1156	0.9888	2.0700e-003	0.2175	1.4900e-003	0.2190	0.0577	1.3700e-003	0.0591		205.9841	205.9841	8.5500e-003		206.1979

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.4624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.1061	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0892	0.0788	0.6742	1.4100e-003	0.1483	1.0100e-003	0.1493	0.0393	9.4000e-004	0.0403		140.4437	140.4437	5.8300e-003		140.5895
Total	0.0892	0.0788	0.6742	1.4100e-003	0.1483	1.0100e-003	0.1493	0.0393	9.4000e-004	0.0403		140.4437	140.4437	5.8300e-003		140.5895

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.6 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.4624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.1061	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0892	0.0788	0.6742	1.4100e-003	0.1483	1.0100e-003	0.1493	0.0393	9.4000e-004	0.0403		140.4437	140.4437	5.8300e-003		140.5895
Total	0.0892	0.0788	0.6742	1.4100e-003	0.1483	1.0100e-003	0.1493	0.0393	9.4000e-004	0.0403		140.4437	140.4437	5.8300e-003		140.5895

4.0 Operational Detail - Mobile

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0317	7.8849	21.7107	0.0475	4.0423	0.0724	4.1148	1.0808	0.0684	1.1492		4,782.0197	4,782.0197	0.2373		4,787.9522
Unmitigated	2.0317	7.8849	21.7107	0.0475	4.0423	0.0724	4.1148	1.0808	0.0684	1.1492		4,782.0197	4,782.0197	0.2373		4,787.9522

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	443.50	519.00	262.00	618,505	618,505
Single Family Housing	437.74	454.94	396.46	1,103,798	1,103,798
Total	881.24	973.94	658.46	1,722,303	1,722,303

4.3 Trip Type Information

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852
Parking Lot	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852
Parking Lot	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852
Single Family Housing	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852
Regional Shopping Center	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0949	0.8126	0.3591	5.1700e-003		0.0656	0.0656		0.0656	0.0656		1,034.9466	1,034.9466	0.0198	0.0190	1,041.0968
NaturalGas Unmitigated	0.0949	0.8126	0.3591	5.1700e-003		0.0656	0.0656		0.0656	0.0656		1,034.9466	1,034.9466	0.0198	0.0190	1,041.0968

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					
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
Regional Shopping Center	326.027	3.5200e-003	0.0320	0.0269	1.9000e-004		2.4300e-003	2.4300e-003		2.4300e-003	2.4300e-003		38.3562	38.3562	7.4000e-004	7.0000e-004	38.5841
Single Family Housing	8471.02	0.0914	0.7807	0.3322	4.9800e-003		0.0631	0.0631		0.0631	0.0631		996.5905	996.5905	0.0191	0.0183	1,002.5127
Total		0.0949	0.8126	0.3591	5.1700e-003		0.0656	0.0656		0.0656	0.0656		1,034.9466	1,034.9466	0.0198	0.0190	1,041.0968

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
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
Regional Shopping Center	0.326027	3.5200e-003	0.0320	0.0269	1.9000e-004		2.4300e-003	2.4300e-003		2.4300e-003	2.4300e-003		38.3562	38.3562	7.4000e-004	7.0000e-004	38.5841	
Single Family Housing	8.47102	0.0914	0.7807	0.3322	4.9800e-003		0.0631	0.0631		0.0631	0.0631		996.5905	996.5905	0.0191	0.0183	1,002.5127	
Total		0.0949	0.8126	0.3591	5.1700e-003		0.0656	0.0656		0.0656	0.0656		1,034.9466	1,034.9466	0.0198	0.0190	1,041.0968	

6.0 Area Detail

6.1 Mitigation Measures Area

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.3178	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391	0.0000	12.7872	12.7872	0.0126	0.0000	13.1015
Unmitigated	6.3178	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391	0.0000	12.7872	12.7872	0.0126	0.0000	13.1015

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	1.6619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.4371					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	0.2188	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391		12.7872	12.7872	0.0126		13.1015
Total	6.3178	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391	0.0000	12.7872	12.7872	0.0126	0.0000	13.1015

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.6619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.4371					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	0.2188	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391		12.7872	12.7872	0.0126		13.1015
Total	6.3178	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391	0.0000	12.7872	12.7872	0.0126	0.0000	13.1015

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summary Report

San Luis Ranch Project - 2017 Start
San Luis Obispo County APCD, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1.23	Acre	1.23	53,361.00	0
Parking Lot	1.00	Acre	1.00	43,560.00	0
Parking Lot	1.30	Acre	1.30	56,628.00	0
Single Family Housing	86.00	Dwelling Unit	8.00	154,800.00	246
Regional Shopping Center	50.00	1000sqft	1.15	50,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2019
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summary Report

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 1, 2, and 6, and improvements to Froom Ext and Madonna Rd

Construction Phase - No demolition in phases 1, 2, and 6. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading - Total import proportionally distributed by phase acreage.

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Energy Mitigation - Per Specific Plan, appliances will be energy efficient.

Water Mitigation -

Architectural Coating -

Woodstoves -

Construction Off-road Equipment Mitigation -

Area Mitigation -

2.0 Peak Daily Emissions

Peak Daily Construction Emissions

Peak Daily Construction Emissions

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Annual

San Luis Ranch Project - 2018 Start
San Luis Obispo County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	0.63	25,000.00	0
Parking Lot	2.10	Acre	2.10	91,476.00	0
Parking Lot	1.23	Acre	1.23	53,361.00	0
Hotel	200.00	Room	3.50	290,400.00	0
Single Family Housing	196.00	Dwelling Unit	15.00	352,800.00	561
Regional Shopping Center	50.00	1000sqft	1.15	50,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 1, 2, 4, 5, and 6.

Construction Phase - No demolition in phases 1, 2, 4, 5 and 6. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading - Total import proportionally distributed by phase acreage.

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Energy Mitigation - Per Specific Plan, appliances will be energy efficient.

Water Mitigation -

Demolition -

Construction Off-road Equipment Mitigation -

Area Mitigation -

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Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	NumDays	20.00	185.00
tblGrading	MaterialImported	0.00	91,760.00
tblLandUse	BuildingSpaceSquareFeet	53,578.80	53,361.00
tblLandUse	LandUseSquareFeet	53,578.80	53,361.00
tblLandUse	LotAcreage	0.57	0.63
tblLandUse	LotAcreage	6.67	3.50
tblLandUse	LotAcreage	63.64	15.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblVehicleTrips	ST_TR	2.46	2.68
tblVehicleTrips	ST_TR	8.19	4.86
tblVehicleTrips	ST_TR	49.97	10.38
tblVehicleTrips	ST_TR	9.91	5.29
tblVehicleTrips	SU_TR	1.05	1.14
tblVehicleTrips	SU_TR	5.95	3.53
tblVehicleTrips	SU_TR	25.24	5.24
tblVehicleTrips	SU_TR	8.62	4.61
tblVehicleTrips	WD_TR	11.03	12.00
tblVehicleTrips	WD_TR	8.17	4.85
tblVehicleTrips	WD_TR	42.70	8.87
tblVehicleTrips	WD_TR	9.52	5.09

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2018	3-31-2018	3.6164	3.6164
2	4-1-2018	6-30-2018	1.3589	1.3589
3	7-1-2018	9-30-2018	2.4600	2.4600
4	10-1-2018	12-31-2018	4.9570	4.9570
5	1-1-2019	3-31-2019	4.7227	4.7227
6	4-1-2019	6-30-2019	2.2506	2.2506
		Highest	4.9570	4.9570

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	3.8746	0.0310	2.6817	1.4000e-004		0.0147	0.0147		0.0147	0.0147	0.0000	4.3674	4.3674	4.2700e-003	0.0000	4.4743
Energy	0.1106	0.9843	0.6922	6.0300e-003		0.0764	0.0764		0.0764	0.0764	0.0000	2,573.8997	2,573.8997	0.0879	0.0339	2,586.1997
Mobile	0.8673	3.4948	9.3349	0.0228	1.9378	0.0289	1.9667	0.5191	0.0273	0.5463	0.0000	2,086.4176	2,086.4176	0.0942	0.0000	2,088.7734
Waste						0.0000	0.0000		0.0000	0.0000	84.2940	0.0000	84.2940	4.9816	0.0000	208.8349
Water						0.0000	0.0000		0.0000	0.0000	8.2456	54.7676	63.0131	0.8494	0.0205	90.3594
Total	4.8525	4.5102	12.7088	0.0290	1.9378	0.1200	2.0578	0.5191	0.1184	0.6374	92.5396	4,719.4522	4,811.9918	6.0174	0.0544	4,978.6416

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.8746	0.0310	2.6817	1.4000e-004		0.0147	0.0147		0.0147	0.0147	0.0000	4.3674	4.3674	4.2700e-003	0.0000	4.4743
Energy	0.1106	0.9843	0.6922	6.0300e-003		0.0764	0.0764		0.0764	0.0764	0.0000	2,564.314 2	2,564.314 2	0.0875	0.0338	2,576.576 7
Mobile	0.8673	3.4948	9.3349	0.0228	1.9378	0.0289	1.9667	0.5191	0.0273	0.5463	0.0000	2,086.417 6	2,086.417 6	0.0942	0.0000	2,088.773 4
Waste						0.0000	0.0000		0.0000	0.0000	84.2940	0.0000	84.2940	4.9816	0.0000	208.8349
Water						0.0000	0.0000		0.0000	0.0000	8.2456	54.7676	63.0131	0.8494	0.0205	90.3594
Total	4.8525	4.5102	12.7088	0.0290	1.9378	0.1200	2.0578	0.5191	0.1184	0.6374	92.5396	4,709.866 7	4,802.406 4	6.0170	0.0543	4,969.018 6

	ROG	NOx	CO	SO2	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	0.20	0.20	0.01	0.17	0.19

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	
2	Grading	Grading	1/13/2018	2/23/2018	5	35	
3	Building Construction	Building Construction	2/24/2018	4/19/2019	5	370	
4	Architectural Coating	Architectural Coating	9/3/2018	5/17/2019	5	185	
5	Paving	Paving	4/20/2019	5/17/2019	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 87.5

Acres of Paving: 3.33

Residential Indoor: 714,420; Residential Outdoor: 238,140; Non-Residential Indoor: 548,100; Non-Residential Outdoor: 182,700; Striped Parking Area: 8,690 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	11,470.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	277.00	105.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	55.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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Clean Paved Roads

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0228	0.2410	0.1124	1.9000e-004		0.0129	0.0129		0.0119	0.0119	0.0000	17.3800	17.3800	5.4100e-003	0.0000	17.5152
Total	0.0228	0.2410	0.1124	1.9000e-004	0.0903	0.0129	0.1032	0.0497	0.0119	0.0615	0.0000	17.3800	17.3800	5.4100e-003	0.0000	17.5152

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	4.8000e-004	4.6000e-004	4.0100e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7707	0.7707	3.0000e-005	0.0000	0.7715
Total	4.8000e-004	4.6000e-004	4.0100e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7707	0.7707	3.0000e-005	0.0000	0.7715

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3.2 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0228	0.2410	0.1124	1.9000e-004		0.0129	0.0129		0.0119	0.0119	0.0000	17.3799	17.3799	5.4100e-003	0.0000	17.5152
Total	0.0228	0.2410	0.1124	1.9000e-004	0.0903	0.0129	0.1032	0.0497	0.0119	0.0615	0.0000	17.3799	17.3799	5.4100e-003	0.0000	17.5152

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	4.8000e-004	4.6000e-004	4.0100e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7707	0.7707	3.0000e-005	0.0000	0.7715
Total	4.8000e-004	4.6000e-004	4.0100e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7707	0.7707	3.0000e-005	0.0000	0.7715

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3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1373	0.0000	0.1373	0.0550	0.0000	0.0550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0764	0.8928	0.5263	9.3000e-004		0.0395	0.0395		0.0364	0.0364	0.0000	84.9728	84.9728	0.0265	0.0000	85.6341
Total	0.0764	0.8928	0.5263	9.3000e-004	0.1373	0.0395	0.1769	0.0550	0.0364	0.0914	0.0000	84.9728	84.9728	0.0265	0.0000	85.6341

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0582	1.8377	0.4158	3.9500e-003	0.0943	0.0134	0.1076	0.0256	0.0128	0.0384	0.0000	384.8026	384.8026	0.0216	0.0000	385.3436
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6100e-003	1.5500e-003	0.0134	3.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.5689	2.5689	1.1000e-004	0.0000	2.5715
Total	0.0598	1.8393	0.4292	3.9800e-003	0.0972	0.0134	0.1105	0.0263	0.0128	0.0391	0.0000	387.3714	387.3714	0.0218	0.0000	387.9151

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3.3 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1373	0.0000	0.1373	0.0550	0.0000	0.0550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0764	0.8928	0.5263	9.3000e-004		0.0395	0.0395		0.0364	0.0364	0.0000	84.9727	84.9727	0.0265	0.0000	85.6340
Total	0.0764	0.8928	0.5263	9.3000e-004	0.1373	0.0395	0.1769	0.0550	0.0364	0.0914	0.0000	84.9727	84.9727	0.0265	0.0000	85.6340

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0582	1.8377	0.4158	3.9500e-003	0.0943	0.0134	0.1076	0.0256	0.0128	0.0384	0.0000	384.8026	384.8026	0.0216	0.0000	385.3436
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6100e-003	1.5500e-003	0.0134	3.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.5689	2.5689	1.1000e-004	0.0000	2.5715
Total	0.0598	1.8393	0.4292	3.9800e-003	0.0972	0.0134	0.1105	0.0263	0.0128	0.0391	0.0000	387.3714	387.3714	0.0218	0.0000	387.9151

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3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2961	2.5846	1.9426	2.9700e-003		0.1657	0.1657		0.1558	0.1558	0.0000	262.7328	262.7328	0.0644	0.0000	264.3420
Total	0.2961	2.5846	1.9426	2.9700e-003		0.1657	0.1657		0.1558	0.1558	0.0000	262.7328	262.7328	0.0644	0.0000	264.3420

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0624	1.3921	0.4705	2.3300e-003	0.0527	0.0129	0.0656	0.0152	0.0124	0.0276	0.0000	224.1246	224.1246	0.0149	0.0000	224.4965
Worker	0.1638	0.1578	1.3651	2.9100e-003	0.2947	2.0700e-003	0.2967	0.0783	1.9100e-003	0.0802	0.0000	262.0999	262.0999	0.0108	0.0000	262.3697
Total	0.2262	1.5498	1.8355	5.2400e-003	0.3474	0.0150	0.3623	0.0935	0.0143	0.1078	0.0000	486.2245	486.2245	0.0257	0.0000	486.8662

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3.4 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2961	2.5846	1.9426	2.9700e-003		0.1657	0.1657		0.1558	0.1558	0.0000	262.7325	262.7325	0.0644	0.0000	264.3417
Total	0.2961	2.5846	1.9426	2.9700e-003		0.1657	0.1657		0.1558	0.1558	0.0000	262.7325	262.7325	0.0644	0.0000	264.3417

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0624	1.3921	0.4705	2.3300e-003	0.0527	0.0129	0.0656	0.0152	0.0124	0.0276	0.0000	224.1246	224.1246	0.0149	0.0000	224.4965
Worker	0.1638	0.1578	1.3651	2.9100e-003	0.2947	2.0700e-003	0.2967	0.0783	1.9100e-003	0.0802	0.0000	262.0999	262.0999	0.0108	0.0000	262.3697
Total	0.2262	1.5498	1.8355	5.2400e-003	0.3474	0.0150	0.3623	0.0935	0.0143	0.1078	0.0000	486.2245	486.2245	0.0257	0.0000	486.8662

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3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0933	0.8326	0.6780	1.0600e-003		0.0510	0.0510		0.0479	0.0479	0.0000	92.8662	92.8662	0.0226	0.0000	93.4317
Total	0.0933	0.8326	0.6780	1.0600e-003		0.0510	0.0510		0.0479	0.0479	0.0000	92.8662	92.8662	0.0226	0.0000	93.4317

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0194	0.4731	0.1484	8.3000e-004	0.0188	3.7900e-003	0.0226	5.4400e-003	3.6200e-003	9.0600e-003	0.0000	79.9025	79.9025	5.1300e-003	0.0000	80.0308
Worker	0.0526	0.0494	0.4276	1.0100e-003	0.1053	7.2000e-004	0.1061	0.0280	6.6000e-004	0.0287	0.0000	90.9377	90.9377	3.3900e-003	0.0000	91.0224
Total	0.0720	0.5224	0.5761	1.8400e-003	0.1242	4.5100e-003	0.1287	0.0334	4.2800e-003	0.0377	0.0000	170.8402	170.8402	8.5200e-003	0.0000	171.0532

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3.4 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0933	0.8326	0.6780	1.0600e-003		0.0510	0.0510		0.0479	0.0479	0.0000	92.8661	92.8661	0.0226	0.0000	93.4316
Total	0.0933	0.8326	0.6780	1.0600e-003		0.0510	0.0510		0.0479	0.0479	0.0000	92.8661	92.8661	0.0226	0.0000	93.4316

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0194	0.4731	0.1484	8.3000e-004	0.0188	3.7900e-003	0.0226	5.4400e-003	3.6200e-003	9.0600e-003	0.0000	79.9025	79.9025	5.1300e-003	0.0000	80.0308
Worker	0.0526	0.0494	0.4276	1.0100e-003	0.1053	7.2000e-004	0.1061	0.0280	6.6000e-004	0.0287	0.0000	90.9377	90.9377	3.3900e-003	0.0000	91.0224
Total	0.0720	0.5224	0.5761	1.8400e-003	0.1242	4.5100e-003	0.1287	0.0334	4.2800e-003	0.0377	0.0000	170.8402	170.8402	8.5200e-003	0.0000	171.0532

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3.5 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.5479					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0128	0.0863	0.0797	1.3000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003	0.0000	10.9790	10.9790	1.0400e-003	0.0000	11.0051
Total	4.5607	0.0863	0.0797	1.3000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003	0.0000	10.9790	10.9790	1.0400e-003	0.0000	11.0051

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0127	0.0122	0.1055	2.2000e-004	0.0228	1.6000e-004	0.0229	6.0500e-003	1.5000e-004	6.2000e-003	0.0000	20.2514	20.2514	8.3000e-004	0.0000	20.2723
Total	0.0127	0.0122	0.1055	2.2000e-004	0.0228	1.6000e-004	0.0229	6.0500e-003	1.5000e-004	6.2000e-003	0.0000	20.2514	20.2514	8.3000e-004	0.0000	20.2723

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3.5 Architectural Coating - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.5479					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0128	0.0863	0.0797	1.3000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003	0.0000	10.9790	10.9790	1.0400e-003	0.0000	11.0051
Total	4.5607	0.0863	0.0797	1.3000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003	0.0000	10.9790	10.9790	1.0400e-003	0.0000	11.0051

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0127	0.0122	0.1055	2.2000e-004	0.0228	1.6000e-004	0.0229	6.0500e-003	1.5000e-004	6.2000e-003	0.0000	20.2514	20.2514	8.3000e-004	0.0000	20.2723
Total	0.0127	0.0122	0.1055	2.2000e-004	0.0228	1.6000e-004	0.0229	6.0500e-003	1.5000e-004	6.2000e-003	0.0000	20.2514	20.2514	8.3000e-004	0.0000	20.2723

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3.5 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.2353					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0132	0.0909	0.0912	1.5000e-004		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	12.6386	12.6386	1.0700e-003	0.0000	12.6653
Total	5.2485	0.0909	0.0912	1.5000e-004		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	12.6386	12.6386	1.0700e-003	0.0000	12.6653

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0131	0.0123	0.1064	2.5000e-004	0.0262	1.8000e-004	0.0264	6.9700e-003	1.6000e-004	7.1300e-003	0.0000	22.6274	22.6274	8.4000e-004	0.0000	22.6485
Total	0.0131	0.0123	0.1064	2.5000e-004	0.0262	1.8000e-004	0.0264	6.9700e-003	1.6000e-004	7.1300e-003	0.0000	22.6274	22.6274	8.4000e-004	0.0000	22.6485

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3.5 Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.2353					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0132	0.0909	0.0912	1.5000e-004		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	12.6386	12.6386	1.0700e-003	0.0000	12.6653
Total	5.2485	0.0909	0.0912	1.5000e-004		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	12.6386	12.6386	1.0700e-003	0.0000	12.6653

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0131	0.0123	0.1064	2.5000e-004	0.0262	1.8000e-004	0.0264	6.9700e-003	1.6000e-004	7.1300e-003	0.0000	22.6274	22.6274	8.4000e-004	0.0000	22.6485
Total	0.0131	0.0123	0.1064	2.5000e-004	0.0262	1.8000e-004	0.0264	6.9700e-003	1.6000e-004	7.1300e-003	0.0000	22.6274	22.6274	8.4000e-004	0.0000	22.6485

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3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0145	0.1524	0.1467	2.3000e-004		8.2500e-003	8.2500e-003		7.5900e-003	7.5900e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371
Paving	4.3600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0189	0.1524	0.1467	2.3000e-004		8.2500e-003	8.2500e-003		7.5900e-003	7.5900e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2000e-004	6.8000e-004	5.8600e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2467	1.2467	5.0000e-005	0.0000	1.2479
Total	7.2000e-004	6.8000e-004	5.8600e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2467	1.2467	5.0000e-005	0.0000	1.2479

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3.6 Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0145	0.1524	0.1467	2.3000e-004		8.2500e-003	8.2500e-003		7.5900e-003	7.5900e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371
Paving	4.3600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0189	0.1524	0.1467	2.3000e-004		8.2500e-003	8.2500e-003		7.5900e-003	7.5900e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2000e-004	6.8000e-004	5.8600e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2467	1.2467	5.0000e-005	0.0000	1.2479
Total	7.2000e-004	6.8000e-004	5.8600e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2467	1.2467	5.0000e-005	0.0000	1.2479

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8673	3.4948	9.3349	0.0228	1.9378	0.0289	1.9667	0.5191	0.0273	0.5463	0.0000	2,086.4176	2,086.4176	0.0942	0.0000	2,088.7734
Unmitigated	0.8673	3.4948	9.3349	0.0228	1.9378	0.0289	1.9667	0.5191	0.0273	0.5463	0.0000	2,086.4176	2,086.4176	0.0942	0.0000	2,088.7734

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	300.00	67.00	28.50	518,513	518,513
Hotel	970.00	972.00	706.00	1,502,636	1,502,636
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	443.50	519.00	262.00	618,505	618,505
Single Family Housing	997.64	1,036.84	903.56	2,515,633	2,515,633
Total	2,711.14	2,594.84	1,900.06	5,155,287	5,155,287

4.3 Trip Type Information

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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
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4
Hotel	13.00	5.00	5.00	19.40	61.60	19.00	58	38	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Parking Lot	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Parking Lot	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Hotel	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Single Family Housing	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Regional Shopping Center	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,470.2142	1,470.2142	0.0665	0.0138	1,475.9750
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,479.7997	1,479.7997	0.0669	0.0138	1,485.5980
NaturalGas Mitigated	0.1106	0.9843	0.6922	6.0300e-003		0.0764	0.0764		0.0764	0.0764	0.0000	1,094.1000	1,094.1000	0.0210	0.0201	1,100.6017
NaturalGas Unmitigated	0.1106	0.9843	0.6922	6.0300e-003		0.0764	0.0764		0.0764	0.0764	0.0000	1,094.1000	1,094.1000	0.0210	0.0201	1,100.6017

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	411250	2.2200e-003	0.0202	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.9459	21.9459	4.2000e-004	4.0000e-004	22.0763
Hotel	1.29257e+007	0.0697	0.6336	0.5322	3.8000e-003		0.0482	0.0482		0.0482	0.0482	0.0000	689.7648	689.7648	0.0132	0.0127	693.8637
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
Regional Shopping Center	119000	6.4000e-004	5.8300e-003	4.9000e-003	4.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	6.3503	6.3503	1.2000e-004	1.2000e-004	6.3880
Single Family Housing	7.04671e+006	0.0380	0.3247	0.1382	2.0700e-003		0.0263	0.0263		0.0263	0.0263	0.0000	376.0391	376.0391	7.2100e-003	6.8900e-003	378.2737
Total		0.1106	0.9843	0.6922	6.0300e-003		0.0764	0.0764		0.0764	0.0764	0.0000	1,094.1000	1,094.1000	0.0210	0.0201	1,100.6017

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	411250	2.2200e-003	0.0202	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.9459	21.9459	4.2000e-004	4.0000e-004	22.0763
Hotel	1.29257e+007	0.0697	0.6336	0.5322	3.8000e-003		0.0482	0.0482		0.0482	0.0482	0.0000	689.7648	689.7648	0.0132	0.0127	693.8637
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
Regional Shopping Center	119000	6.4000e-004	5.8300e-003	4.9000e-003	4.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	6.3503	6.3503	1.2000e-004	1.2000e-004	6.3880
Single Family Housing	7.04671e+006	0.0380	0.3247	0.1382	2.0700e-003		0.0263	0.0263		0.0263	0.0263	0.0000	376.0391	376.0391	7.2100e-003	6.8900e-003	378.2737
Total		0.1106	0.9843	0.6922	6.0300e-003		0.0764	0.0764		0.0764	0.0764	0.0000	1,094.1000	1,094.1000	0.0210	0.0201	1,100.6017

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	455500	132.5102	5.9900e-003	1.2400e-003	133.0294
Hotel	2.25931e+006	657.2598	0.0297	6.1500e-003	659.8351
Parking Lot	46957.7	13.6605	6.2000e-004	1.3000e-004	13.7141
Parking Lot	80498.9	23.4181	1.0600e-003	2.2000e-004	23.5098
Regional Shopping Center	547500	159.2740	7.2000e-003	1.4900e-003	159.8981
Single Family Housing	1.697e+006	493.6771	0.0223	4.6200e-003	495.6115
Total		1,479.7997	0.0669	0.0139	1,485.5980

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	455500	132.5102	5.9900e-003	1.2400e-003	133.0294
Hotel	2.25931e+006	657.2598	0.0297	6.1500e-003	659.8351
Parking Lot	46957.7	13.6605	6.2000e-004	1.3000e-004	13.7141
Parking Lot	80498.9	23.4181	1.0600e-003	2.2000e-004	23.5098
Regional Shopping Center	547500	159.2740	7.2000e-003	1.4900e-003	159.8981
Single Family Housing	1.66405e+006	484.0917	0.0219	4.5300e-003	485.9885
Total		1,470.2142	0.0665	0.0138	1,475.9750

6.0 Area Detail**6.1 Mitigation Measures Area**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.8746	0.0310	2.6817	1.4000e-004		0.0147	0.0147		0.0147	0.0147	0.0000	4.3674	4.3674	4.2700e-003	0.0000	4.4743
Unmitigated	3.8746	0.0310	2.6817	1.4000e-004		0.0147	0.0147		0.0147	0.0147	0.0000	4.3674	4.3674	4.2700e-003	0.0000	4.4743

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	0.9783					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.8143					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	0.0820	0.0310	2.6817	1.4000e-004		0.0147	0.0147		0.0147	0.0147	0.0000	4.3674	4.3674	4.2700e-003	0.0000	4.4743
Total	3.8746	0.0310	2.6817	1.4000e-004		0.0147	0.0147		0.0147	0.0147	0.0000	4.3674	4.3674	4.2700e-003	0.0000	4.4743

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.9783					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.8143					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	0.0820	0.0310	2.6817	1.4000e-004		0.0147	0.0147		0.0147	0.0147	0.0000	4.3674	4.3674	4.2700e-003	0.0000	4.4743
Total	3.8746	0.0310	2.6817	1.4000e-004		0.0147	0.0147		0.0147	0.0147	0.0000	4.3674	4.3674	4.2700e-003	0.0000	4.4743

7.0 Water Detail

7.1 Mitigation Measures Water

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	63.0131	0.8494	0.0205	90.3594
Unmitigated	63.0131	0.8494	0.0205	90.3594

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	4.44334 / 2.72334	11.1769	0.1452	3.5100e-003	15.8536
Hotel	5.07335 / 0.563706	10.1696	0.1657	3.9800e-003	15.4992
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	3.70363 / 2.26996	9.3162	0.1211	2.9300e-003	13.2144
Single Family Housing	12.7702 / 8.05077	32.3504	0.4174	0.0101	45.7922
Total		63.0131	0.8494	0.0205	90.3594

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	4.44334 / 2.72334	11.1769	0.1452	3.5100e-003	15.8536
Hotel	5.07335 / 0.563706	10.1696	0.1657	3.9800e-003	15.4992
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	3.70363 / 2.26996	9.3162	0.1211	2.9300e-003	13.2144
Single Family Housing	12.7702 / 8.05077	32.3504	0.4174	0.0101	45.7922
Total		63.0131	0.8494	0.0205	90.3594

8.0 Waste Detail

8.1 Mitigation Measures Waste

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	84.2940	4.9816	0.0000	208.8349
Unmitigated	84.2940	4.9816	0.0000	208.8349

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	23.25	4.7195	0.2789	0.0000	11.6925
Hotel	109.5	22.2275	1.3136	0.0000	55.0677
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	52.5	10.6570	0.6298	0.0000	26.4023
Single Family Housing	230.01	46.6900	2.7593	0.0000	115.6724
Total		84.2940	4.9816	0.0000	208.8349

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	23.25	4.7195	0.2789	0.0000	11.6925
Hotel	109.5	22.2275	1.3136	0.0000	55.0677
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	52.5	10.6570	0.6298	0.0000	26.4023
Single Family Housing	230.01	46.6900	2.7593	0.0000	115.6724
Total		84.2940	4.9816	0.0000	208.8349

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Annual

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

San Luis Ranch Project - 2018 Start
San Luis Obispo County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	0.63	25,000.00	0
Parking Lot	2.10	Acre	2.10	91,476.00	0
Parking Lot	1.23	Acre	1.23	53,361.00	0
Hotel	200.00	Room	3.50	290,400.00	0
Single Family Housing	196.00	Dwelling Unit	15.00	352,800.00	561
Regional Shopping Center	50.00	1000sqft	1.15	50,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 1, 2, 4, 5, and 6.

Construction Phase - No demolition in phases 1, 2, 4, 5 and 6. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading - Total import proportionally distributed by phase acreage.

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Energy Mitigation - Per Specific Plan, appliances will be energy efficient.

Water Mitigation -

Demolition -

Construction Off-road Equipment Mitigation -

Area Mitigation -

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	NumDays	20.00	185.00
tblGrading	MaterialImported	0.00	91,760.00
tblLandUse	BuildingSpaceSquareFeet	53,578.80	53,361.00
tblLandUse	LandUseSquareFeet	53,578.80	53,361.00
tblLandUse	LotAcreage	0.57	0.63
tblLandUse	LotAcreage	6.67	3.50
tblLandUse	LotAcreage	63.64	15.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblVehicleTrips	ST_TR	2.46	2.68
tblVehicleTrips	ST_TR	8.19	4.86
tblVehicleTrips	ST_TR	49.97	10.38
tblVehicleTrips	ST_TR	9.91	5.29
tblVehicleTrips	SU_TR	1.05	1.14
tblVehicleTrips	SU_TR	5.95	3.53
tblVehicleTrips	SU_TR	25.24	5.24
tblVehicleTrips	SU_TR	8.62	4.61
tblVehicleTrips	WD_TR	11.03	12.00
tblVehicleTrips	WD_TR	8.17	4.85
tblVehicleTrips	WD_TR	42.70	8.87
tblVehicleTrips	WD_TR	9.52	5.09

2.0 Emissions Summary

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.2782	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893	0.0000	29.1772	29.1772	0.0286	0.0000	29.8910
Energy	0.6058	5.3935	3.7931	0.0330		0.4185	0.4185		0.4185	0.4185		6,608.4318	6,608.4318	0.1267	0.1212	6,647.7024
Mobile	5.4953	20.2339	55.2733	0.1417	11.9424	0.1732	12.1155	3.1920	0.1631	3.3551		14,270.0678	14,270.0678	0.6209		14,285.5905
Total	27.3792	25.8153	75.3190	0.1756	11.9424	0.6810	12.6234	3.1920	0.6709	3.8629	0.0000	20,907.6767	20,907.6767	0.7761	0.1212	20,963.1840

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	21.2782	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893	0.0000	29.1772	29.1772	0.0286	0.0000	29.8910
Energy	0.6058	5.3935	3.7931	0.0330		0.4185	0.4185		0.4185	0.4185		6,608.4318	6,608.4318	0.1267	0.1212	6,647.7024
Mobile	5.4953	20.2339	55.2733	0.1417	11.9424	0.1732	12.1155	3.1920	0.1631	3.3551		14,270.0678	14,270.0678	0.6209		14,285.5905
Total	27.3792	25.8153	75.3190	0.1756	11.9424	0.6810	12.6234	3.1920	0.6709	3.8629	0.0000	20,907.6767	20,907.6767	0.7761	0.1212	20,963.1840

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	
2	Grading	Grading	1/13/2018	2/23/2018	5	35	
3	Building Construction	Building Construction	2/24/2018	4/19/2019	5	370	
4	Architectural Coating	Architectural Coating	9/3/2018	5/17/2019	5	185	
5	Paving	Paving	4/20/2019	5/17/2019	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 87.5

Acres of Paving: 3.33

Residential Indoor: 714,420; Residential Outdoor: 238,140; Non-Residential Indoor: 548,100; Non-Residential Outdoor: 182,700; Striped Parking Area: 8,690 (Architectural Coating – sqft)

OffRoad Equipment

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	11,470.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	277.00	105.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	55.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

Clean Paved Roads

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0942	0.0833	0.8219	1.7800e-003	0.1780	1.2200e-003	0.1792	0.0472	1.1200e-003	0.0483		176.7876	176.7876	7.1600e-003		176.9666
Total	0.0942	0.0833	0.8219	1.7800e-003	0.1780	1.2200e-003	0.1792	0.0472	1.1200e-003	0.0483		176.7876	176.7876	7.1600e-003		176.9666

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.2 Site Preparation - 2018

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0942	0.0833	0.8219	1.7800e-003	0.1780	1.2200e-003	0.1792	0.0472	1.1200e-003	0.0483		176.7876	176.7876	7.1600e-003		176.9666
Total	0.0942	0.0833	0.8219	1.7800e-003	0.1780	1.2200e-003	0.1792	0.0472	1.1200e-003	0.0483		176.7876	176.7876	7.1600e-003		176.9666

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1559	0.0000	9.1559	3.6696	0.0000	3.6696			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	5.0901	59.5218	35.0894	0.0620	9.1559	2.6337	11.7896	3.6696	2.4230	6.0926		6,244.4284	6,244.4284	1.9440		6,293.0278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.8364	120.0134	26.9194	0.2648	6.4360	0.8839	7.3200	1.7422	0.8457	2.5878		28,440.8103	28,440.8103	1.5653		28,479.9415
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1046	0.0926	0.9132	1.9800e-003	0.1977	1.3500e-003	0.1991	0.0524	1.2500e-003	0.0537		196.4307	196.4307	7.9500e-003		196.6295
Total	3.9410	120.1059	27.8326	0.2668	6.6338	0.8853	7.5190	1.7946	0.8469	2.6415		28,637.2410	28,637.2410	1.5732		28,676.5710

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.3 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1559	0.0000	9.1559	3.6696	0.0000	3.6696			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	5.0901	59.5218	35.0894	0.0620	9.1559	2.6337	11.7896	3.6696	2.4230	6.0926	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.8364	120.0134	26.9194	0.2648	6.4360	0.8839	7.3200	1.7422	0.8457	2.5878		28,440.8103	28,440.8103	1.5653		28,479.9415
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1046	0.0926	0.9132	1.9800e-003	0.1977	1.3500e-003	0.1991	0.0524	1.2500e-003	0.0537		196.4307	196.4307	7.9500e-003		196.6295
Total	3.9410	120.1059	27.8326	0.2668	6.6338	0.8853	7.5190	1.7946	0.8469	2.6415		28,637.2410	28,637.2410	1.5732		28,676.5710

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5522	12.4602	4.0061	0.0213	0.4872	0.1156	0.6029	0.1403	0.1106	0.2509		2,262.868 6	2,262.868 6	0.1436		2,266.458 7
Worker	1.4493	1.2823	12.6483	0.0274	2.7385	0.0187	2.7572	0.7263	0.0173	0.7436		2,720.565 0	2,720.565 0	0.1102		2,723.318 7
Total	2.0015	13.7425	16.6543	0.0487	3.2257	0.1344	3.3600	0.8666	0.1279	0.9945		4,983.433 5	4,983.433 5	0.2538		4,989.777 4

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.4 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5522	12.4602	4.0061	0.0213	0.4872	0.1156	0.6029	0.1403	0.1106	0.2509		2,262.868 6	2,262.868 6	0.1436		2,266.458 7
Worker	1.4493	1.2823	12.6483	0.0274	2.7385	0.0187	2.7572	0.7263	0.0173	0.7436		2,720.565 0	2,720.565 0	0.1102		2,723.318 7
Total	2.0015	13.7425	16.6543	0.0487	3.2257	0.1344	3.3600	0.8666	0.1279	0.9945		4,983.433 5	4,983.433 5	0.2538		4,989.777 4

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.4 Building Construction - 2019

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4805	11.8566	3.5289	0.0212	0.4873	0.0947	0.5820	0.1403	0.0906	0.2310		2,257.559 6	2,257.559 6	0.1387		2,261.026 2
Worker	1.3012	1.1221	11.1315	0.0265	2.7385	0.0181	2.7566	0.7263	0.0167	0.7430		2,640.774 8	2,640.774 8	0.0970		2,643.200 1
Total	1.7817	12.9787	14.6603	0.0478	3.2258	0.1128	3.3386	0.8666	0.1074	0.9740		4,898.334 5	4,898.334 5	0.2357		4,904.226 3

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.4 Building Construction - 2019

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4805	11.8566	3.5289	0.0212	0.4873	0.0947	0.5820	0.1403	0.0906	0.2310		2,257.559 6	2,257.559 6	0.1387		2,261.026 2
Worker	1.3012	1.1221	11.1315	0.0265	2.7385	0.0181	2.7566	0.7263	0.0167	0.7430		2,640.774 8	2,640.774 8	0.0970		2,643.200 1
Total	1.7817	12.9787	14.6603	0.0478	3.2258	0.1128	3.3386	0.8666	0.1074	0.9740		4,898.334 5	4,898.334 5	0.2357		4,904.226 3

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.5 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	105.7641					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	106.0627	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2878	0.2546	2.5114	5.4300e-003	0.5437	3.7200e-003	0.5475	0.1442	3.4400e-003	0.1477		540.1844	540.1844	0.0219		540.7311
Total	0.2878	0.2546	2.5114	5.4300e-003	0.5437	3.7200e-003	0.5475	0.1442	3.4400e-003	0.1477		540.1844	540.1844	0.0219		540.7311

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.5 Architectural Coating - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	105.7641					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
Total	106.0627	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2878	0.2546	2.5114	5.4300e-003	0.5437	3.7200e-003	0.5475	0.1442	3.4400e-003	0.1477		540.1844	540.1844	0.0219		540.7311
Total	0.2878	0.2546	2.5114	5.4300e-003	0.5437	3.7200e-003	0.5475	0.1442	3.4400e-003	0.1477		540.1844	540.1844	0.0219		540.7311

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.5 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	105.7641					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	106.0305	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2584	0.2228	2.2102	5.2700e-003	0.5437	3.6000e-003	0.5473	0.1442	3.3200e-003	0.1475		524.3416	524.3416	0.0193		524.8231
Total	0.2584	0.2228	2.2102	5.2700e-003	0.5437	3.6000e-003	0.5473	0.1442	3.3200e-003	0.1475		524.3416	524.3416	0.0193		524.8231

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.5 Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	105.7641					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	106.0305	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2584	0.2228	2.2102	5.2700e-003	0.5437	3.6000e-003	0.5473	0.1442	3.3200e-003	0.1475		524.3416	524.3416	0.0193		524.8231
Total	0.2584	0.2228	2.2102	5.2700e-003	0.5437	3.6000e-003	0.5473	0.1442	3.3200e-003	0.1475		524.3416	524.3416	0.0193		524.8231

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.4362					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.8907	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0705	0.0608	0.6028	1.4400e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		143.0023	143.0023	5.2500e-003		143.1336
Total	0.0705	0.0608	0.6028	1.4400e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		143.0023	143.0023	5.2500e-003		143.1336

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.6 Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.4362					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.8907	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0705	0.0608	0.6028	1.4400e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		143.0023	143.0023	5.2500e-003		143.1336
Total	0.0705	0.0608	0.6028	1.4400e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		143.0023	143.0023	5.2500e-003		143.1336

4.0 Operational Detail - Mobile

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.4953	20.2339	55.2733	0.1417	11.9424	0.1732	12.1155	3.1920	0.1631	3.3551		14,270.0678	14,270.0678	0.6209		14,285.5905
Unmitigated	5.4953	20.2339	55.2733	0.1417	11.9424	0.1732	12.1155	3.1920	0.1631	3.3551		14,270.0678	14,270.0678	0.6209		14,285.5905

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	300.00	67.00	28.50	518,513	518,513
Hotel	970.00	972.00	706.00	1,502,636	1,502,636
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	443.50	519.00	262.00	618,505	618,505
Single Family Housing	997.64	1,036.84	903.56	2,515,633	2,515,633
Total	2,711.14	2,594.84	1,900.06	5,155,287	5,155,287

4.3 Trip Type Information

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4
Hotel	13.00	5.00	5.00	19.40	61.60	19.00	58	38	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Parking Lot	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Parking Lot	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Hotel	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Single Family Housing	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Regional Shopping Center	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.6058	5.3935	3.7931	0.0330		0.4185	0.4185		0.4185	0.4185		6,608.4318	6,608.4318	0.1267	0.1212	6,647.7024
NaturalGas Unmitigated	0.6058	5.3935	3.7931	0.0330		0.4185	0.4185		0.4185	0.4185		6,608.4318	6,608.4318	0.1267	0.1212	6,647.7024

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					
General Office Building	1126.71	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
Hotel	35412.9	0.3819	3.4719	2.9164	0.0208		0.2639	0.2639		0.2639	0.2639		4,166.2221	4,166.2221	0.0799	0.0764	4,190.9799
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
Regional Shopping Center	326.027	3.5200e-003	0.0320	0.0269	1.9000e-004		2.4300e-003	2.4300e-003		2.4300e-003	2.4300e-003		38.3562	38.3562	7.4000e-004	7.0000e-004	38.5841
Single Family Housing	19306	0.2082	1.7792	0.7571	0.0114		0.1439	0.1439		0.1439	0.1439		2,271.2992	2,271.2992	0.0435	0.0416	2,284.7964
Total		0.6058	5.3935	3.7931	0.0330		0.4185	0.4185		0.4185	0.4185		6,608.4318	6,608.4318	0.1267	0.1212	6,647.7024

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1.12671	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
Hotel	35.4129	0.3819	3.4719	2.9164	0.0208		0.2639	0.2639		0.2639	0.2639		4,166.2221	4,166.2221	0.0799	0.0764	4,190.9799
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
Regional Shopping Center	0.326027	3.5200e-003	0.0320	0.0269	1.9000e-004		2.4300e-003	2.4300e-003		2.4300e-003	2.4300e-003		38.3562	38.3562	7.4000e-004	7.0000e-004	38.5841
Single Family Housing	19.306	0.2082	1.7792	0.7571	0.0114		0.1439	0.1439		0.1439	0.1439		2,271.2992	2,271.2992	0.0435	0.0416	2,284.7964
Total		0.6058	5.3935	3.7931	0.0330		0.4185	0.4185		0.4185	0.4185		6,608.4318	6,608.4318	0.1267	0.1212	6,647.7024

6.0 Area Detail

6.1 Mitigation Measures Area

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	21.2782	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893	0.0000	29.1772	29.1772	0.0286	0.0000	29.8910
Unmitigated	21.2782	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893	0.0000	29.1772	29.1772	0.0286	0.0000	29.8910

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.3606					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.4208					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	0.4967	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893		29.1772	29.1772	0.0286		29.8910
Total	21.2782	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893	0.0000	29.1772	29.1772	0.0286	0.0000	29.8910

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.3606					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.4208					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	0.4967	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893		29.1772	29.1772	0.0286		29.8910
Total	21.2782	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893	0.0000	29.1772	29.1772	0.0286	0.0000	29.8910

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

San Luis Ranch Project - 2018 Start
San Luis Obispo County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	0.63	25,000.00	0
Parking Lot	2.10	Acre	2.10	91,476.00	0
Parking Lot	1.23	Acre	1.23	53,361.00	0
Hotel	200.00	Room	3.50	290,400.00	0
Single Family Housing	196.00	Dwelling Unit	15.00	352,800.00	561
Regional Shopping Center	50.00	1000sqft	1.15	50,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 1, 2, 4, 5, and 6.

Construction Phase - No demolition in phases 1, 2, 4, 5 and 6. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading - Total import proportionally distributed by phase acreage.

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Energy Mitigation - Per Specific Plan, appliances will be energy efficient.

Water Mitigation -

Demolition -

Construction Off-road Equipment Mitigation -

Area Mitigation -

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	NumDays	20.00	185.00
tblGrading	MaterialImported	0.00	91,760.00
tblLandUse	BuildingSpaceSquareFeet	53,578.80	53,361.00
tblLandUse	LandUseSquareFeet	53,578.80	53,361.00
tblLandUse	LotAcreage	0.57	0.63
tblLandUse	LotAcreage	6.67	3.50
tblLandUse	LotAcreage	63.64	15.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblVehicleTrips	ST_TR	2.46	2.68
tblVehicleTrips	ST_TR	8.19	4.86
tblVehicleTrips	ST_TR	49.97	10.38
tblVehicleTrips	ST_TR	9.91	5.29
tblVehicleTrips	SU_TR	1.05	1.14
tblVehicleTrips	SU_TR	5.95	3.53
tblVehicleTrips	SU_TR	25.24	5.24
tblVehicleTrips	SU_TR	8.62	4.61
tblVehicleTrips	WD_TR	11.03	12.00
tblVehicleTrips	WD_TR	8.17	4.85
tblVehicleTrips	WD_TR	42.70	8.87
tblVehicleTrips	WD_TR	9.52	5.09

2.0 Emissions Summary

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.2782	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893	0.0000	29.1772	29.1772	0.0286	0.0000	29.8910
Energy	0.6058	5.3935	3.7931	0.0330		0.4185	0.4185		0.4185	0.4185		6,608.4318	6,608.4318	0.1267	0.1212	6,647.7024
Mobile	5.3483	20.9785	57.4800	0.1361	11.9424	0.1750	12.1174	3.1920	0.1649	3.3569		13,705.1778	13,705.1778	0.6332		13,721.0087
Total	27.2322	26.5599	77.5257	0.1700	11.9424	0.6829	12.6252	3.1920	0.6727	3.8647	0.0000	20,342.7867	20,342.7867	0.7885	0.1212	20,398.6022

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	21.2782	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893	0.0000	29.1772	29.1772	0.0286	0.0000	29.8910
Energy	0.6058	5.3935	3.7931	0.0330		0.4185	0.4185		0.4185	0.4185		6,608.4318	6,608.4318	0.1267	0.1212	6,647.7024
Mobile	5.3483	20.9785	57.4800	0.1361	11.9424	0.1750	12.1174	3.1920	0.1649	3.3569		13,705.1778	13,705.1778	0.6332		13,721.0087
Total	27.2322	26.5599	77.5257	0.1700	11.9424	0.6829	12.6252	3.1920	0.6727	3.8647	0.0000	20,342.7867	20,342.7867	0.7885	0.1212	20,398.6022

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	
2	Grading	Grading	1/13/2018	2/23/2018	5	35	
3	Building Construction	Building Construction	2/24/2018	4/19/2019	5	370	
4	Architectural Coating	Architectural Coating	9/3/2018	5/17/2019	5	185	
5	Paving	Paving	4/20/2019	5/17/2019	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 87.5

Acres of Paving: 3.33

Residential Indoor: 714,420; Residential Outdoor: 238,140; Non-Residential Indoor: 548,100; Non-Residential Outdoor: 182,700; Striped Parking Area: 8,690 (Architectural Coating – sqft)

OffRoad Equipment

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	11,470.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	277.00	105.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	55.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

Clean Paved Roads

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1070	0.0946	0.8091	1.7000e-003	0.1780	1.2200e-003	0.1792	0.0472	1.1200e-003	0.0483		168.5325	168.5325	7.0000e-003		168.7073
Total	0.1070	0.0946	0.8091	1.7000e-003	0.1780	1.2200e-003	0.1792	0.0472	1.1200e-003	0.0483		168.5325	168.5325	7.0000e-003		168.7073

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.2 Site Preparation - 2018

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1070	0.0946	0.8091	1.7000e-003	0.1780	1.2200e-003	0.1792	0.0472	1.1200e-003	0.0483		168.5325	168.5325	7.0000e-003		168.7073
Total	0.1070	0.0946	0.8091	1.7000e-003	0.1780	1.2200e-003	0.1792	0.0472	1.1200e-003	0.0483		168.5325	168.5325	7.0000e-003		168.7073

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1559	0.0000	9.1559	3.6696	0.0000	3.6696			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	5.0901	59.5218	35.0894	0.0620	9.1559	2.6337	11.7896	3.6696	2.4230	6.0926		6,244.4284	6,244.4284	1.9440		6,293.0278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.9377	121.0318	28.6781	0.2612	6.4360	0.9000	7.3360	1.7422	0.8610	2.6032		28,053.5166	28,053.5166	1.6194		28,094.0023
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1189	0.1051	0.8989	1.8800e-003	0.1977	1.3500e-003	0.1991	0.0524	1.2500e-003	0.0537		187.2583	187.2583	7.7700e-003		187.4526
Total	4.0566	121.1369	29.5770	0.2631	6.6338	0.9013	7.5351	1.7946	0.8623	2.6569		28,240.7749	28,240.7749	1.6272		28,281.4549

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.3 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1559	0.0000	9.1559	3.6696	0.0000	3.6696			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	5.0901	59.5218	35.0894	0.0620	9.1559	2.6337	11.7896	3.6696	2.4230	6.0926	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.9377	121.0318	28.6781	0.2612	6.4360	0.9000	7.3360	1.7422	0.8610	2.6032		28,053.5166	28,053.5166	1.6194		28,094.0023
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1189	0.1051	0.8989	1.8800e-003	0.1977	1.3500e-003	0.1991	0.0524	1.2500e-003	0.0537		187.2583	187.2583	7.7700e-003		187.4526
Total	4.0566	121.1369	29.5770	0.2631	6.6338	0.9013	7.5351	1.7946	0.8623	2.6569		28,240.7749	28,240.7749	1.6272		28,281.4549

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5809	12.4291	4.4864	0.0207	0.4872	0.1186	0.6058	0.1403	0.1134	0.2537		2,198.492 0	2,198.492 0	0.1535		2,202.330 1
Worker	1.6464	1.4551	12.4504	0.0261	2.7385	0.0187	2.7572	0.7263	0.0173	0.7436		2,593.527 2	2,593.527 2	0.1077		2,596.218 5
Total	2.2273	13.8842	16.9368	0.0468	3.2257	0.1373	3.3630	0.8666	0.1307	0.9973		4,792.019 2	4,792.019 2	0.2612		4,798.548 6

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.4 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5809	12.4291	4.4864	0.0207	0.4872	0.1186	0.6058	0.1403	0.1134	0.2537		2,198.492 0	2,198.492 0	0.1535		2,202.330 1
Worker	1.6464	1.4551	12.4504	0.0261	2.7385	0.0187	2.7572	0.7263	0.0173	0.7436		2,593.527 2	2,593.527 2	0.1077		2,596.218 5
Total	2.2273	13.8842	16.9368	0.0468	3.2257	0.1373	3.3630	0.8666	0.1307	0.9973		4,792.019 2	4,792.019 2	0.2612		4,798.548 6

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.4 Building Construction - 2019

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5054	11.8154	3.9662	0.0206	0.4873	0.0974	0.5847	0.1403	0.0932	0.2335		2,191.575 4	2,191.575 4	0.1483		2,195.281 8
Worker	1.4804	1.2739	10.8880	0.0253	2.7385	0.0181	2.7566	0.7263	0.0167	0.7430		2,517.250 8	2,517.250 8	0.0945		2,519.613 1
Total	1.9858	13.0893	14.8542	0.0459	3.2258	0.1155	3.3412	0.8666	0.1099	0.9765		4,708.826 3	4,708.826 3	0.2427		4,714.894 9

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.4 Building Construction - 2019

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5054	11.8154	3.9662	0.0206	0.4873	0.0974	0.5847	0.1403	0.0932	0.2335		2,191.575 4	2,191.575 4	0.1483		2,195.281 8
Worker	1.4804	1.2739	10.8880	0.0253	2.7385	0.0181	2.7566	0.7263	0.0167	0.7430		2,517.250 8	2,517.250 8	0.0945		2,519.613 1
Total	1.9858	13.0893	14.8542	0.0459	3.2258	0.1155	3.3412	0.8666	0.1099	0.9765		4,708.826 3	4,708.826 3	0.2427		4,714.894 9

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.5 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	105.7641					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	106.0627	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3269	0.2889	2.4721	5.1800e-003	0.5437	3.7200e-003	0.5475	0.1442	3.4400e-003	0.1477		514.9603	514.9603	0.0214		515.4947
Total	0.3269	0.2889	2.4721	5.1800e-003	0.5437	3.7200e-003	0.5475	0.1442	3.4400e-003	0.1477		514.9603	514.9603	0.0214		515.4947

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.5 Architectural Coating - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	105.7641					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
Total	106.0627	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3269	0.2889	2.4721	5.1800e-003	0.5437	3.7200e-003	0.5475	0.1442	3.4400e-003	0.1477		514.9603	514.9603	0.0214		515.4947
Total	0.3269	0.2889	2.4721	5.1800e-003	0.5437	3.7200e-003	0.5475	0.1442	3.4400e-003	0.1477		514.9603	514.9603	0.0214		515.4947

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.5 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	105.7641					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	106.0305	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2939	0.2529	2.1619	5.0200e-003	0.5437	3.6000e-003	0.5473	0.1442	3.3200e-003	0.1475		499.8152	499.8152	0.0188		500.2842
Total	0.2939	0.2529	2.1619	5.0200e-003	0.5437	3.6000e-003	0.5473	0.1442	3.3200e-003	0.1475		499.8152	499.8152	0.0188		500.2842

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.5 Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	105.7641					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	106.0305	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2939	0.2529	2.1619	5.0200e-003	0.5437	3.6000e-003	0.5473	0.1442	3.3200e-003	0.1475		499.8152	499.8152	0.0188		500.2842
Total	0.2939	0.2529	2.1619	5.0200e-003	0.5437	3.6000e-003	0.5473	0.1442	3.3200e-003	0.1475		499.8152	499.8152	0.0188		500.2842

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.4362					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.8907	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0802	0.0690	0.5896	1.3700e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		136.3132	136.3132	5.1200e-003		136.4411
Total	0.0802	0.0690	0.5896	1.3700e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		136.3132	136.3132	5.1200e-003		136.4411

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.6 Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.4362					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.8907	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0802	0.0690	0.5896	1.3700e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		136.3132	136.3132	5.1200e-003		136.4411
Total	0.0802	0.0690	0.5896	1.3700e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		136.3132	136.3132	5.1200e-003		136.4411

4.0 Operational Detail - Mobile

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.3483	20.9785	57.4800	0.1361	11.9424	0.1750	12.1174	3.1920	0.1649	3.3569		13,705.17 78	13,705.17 78	0.6332		13,721.00 87
Unmitigated	5.3483	20.9785	57.4800	0.1361	11.9424	0.1750	12.1174	3.1920	0.1649	3.3569		13,705.17 78	13,705.17 78	0.6332		13,721.00 87

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	300.00	67.00	28.50	518,513	518,513
Hotel	970.00	972.00	706.00	1,502,636	1,502,636
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	443.50	519.00	262.00	618,505	618,505
Single Family Housing	997.64	1,036.84	903.56	2,515,633	2,515,633
Total	2,711.14	2,594.84	1,900.06	5,155,287	5,155,287

4.3 Trip Type Information

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4
Hotel	13.00	5.00	5.00	19.40	61.60	19.00	58	38	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Parking Lot	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Parking Lot	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Hotel	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Single Family Housing	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Regional Shopping Center	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.6058	5.3935	3.7931	0.0330		0.4185	0.4185		0.4185	0.4185		6,608.4318	6,608.4318	0.1267	0.1212	6,647.7024
NaturalGas Unmitigated	0.6058	5.3935	3.7931	0.0330		0.4185	0.4185		0.4185	0.4185		6,608.4318	6,608.4318	0.1267	0.1212	6,647.7024

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					
General Office Building	1126.71	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
Hotel	35412.9	0.3819	3.4719	2.9164	0.0208		0.2639	0.2639		0.2639	0.2639		4,166.2221	4,166.2221	0.0799	0.0764	4,190.9799
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
Regional Shopping Center	326.027	3.5200e-003	0.0320	0.0269	1.9000e-004		2.4300e-003	2.4300e-003		2.4300e-003	2.4300e-003		38.3562	38.3562	7.4000e-004	7.0000e-004	38.5841
Single Family Housing	19306	0.2082	1.7792	0.7571	0.0114		0.1439	0.1439		0.1439	0.1439		2,271.2992	2,271.2992	0.0435	0.0416	2,284.7964
Total		0.6058	5.3935	3.7931	0.0330		0.4185	0.4185		0.4185	0.4185		6,608.4318	6,608.4318	0.1267	0.1212	6,647.7024

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1.12671	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
Hotel	35.4129	0.3819	3.4719	2.9164	0.0208		0.2639	0.2639		0.2639	0.2639		4,166.2221	4,166.2221	0.0799	0.0764	4,190.9799
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
Regional Shopping Center	0.326027	3.5200e-003	0.0320	0.0269	1.9000e-004		2.4300e-003	2.4300e-003		2.4300e-003	2.4300e-003		38.3562	38.3562	7.4000e-004	7.0000e-004	38.5841
Single Family Housing	19.306	0.2082	1.7792	0.7571	0.0114		0.1439	0.1439		0.1439	0.1439		2,271.2992	2,271.2992	0.0435	0.0416	2,284.7964
Total		0.6058	5.3935	3.7931	0.0330		0.4185	0.4185		0.4185	0.4185		6,608.4318	6,608.4318	0.1267	0.1212	6,647.7024

6.0 Area Detail

6.1 Mitigation Measures Area

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	21.2782	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893	0.0000	29.1772	29.1772	0.0286	0.0000	29.8910
Unmitigated	21.2782	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893	0.0000	29.1772	29.1772	0.0286	0.0000	29.8910

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.3606					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.4208					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	0.4967	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893		29.1772	29.1772	0.0286		29.8910
Total	21.2782	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893	0.0000	29.1772	29.1772	0.0286	0.0000	29.8910

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.3606					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.4208					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	0.4967	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893		29.1772	29.1772	0.0286		29.8910
Total	21.2782	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893	0.0000	29.1772	29.1772	0.0286	0.0000	29.8910

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summary Report

San Luis Ranch Project - 2018 Start
San Luis Obispo County APCD, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	0.63	25,000.00	0
Parking Lot	2.10	Acre	2.10	91,476.00	0
Parking Lot	1.23	Acre	1.23	53,361.00	0
Hotel	200.00	Room	3.50	290,400.00	0
Single Family Housing	196.00	Dwelling Unit	15.00	352,800.00	561
Regional Shopping Center	50.00	1000sqft	1.15	50,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summary Report

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 1, 2, 4, 5, and 6.

Construction Phase - No demolition in phases 1, 2, 4, 5 and 6. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading - Total import proportionally distributed by phase acreage.

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Energy Mitigation - Per Specific Plan, appliances will be energy efficient.

Water Mitigation -

Demolition -

Construction Off-road Equipment Mitigation -

Area Mitigation -

2.0 Peak Daily Emissions

Peak Daily Construction Emissions

Peak Daily Construction Emissions

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

San Luis Ranch Project - 2019 Start
San Luis Obispo County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	0.63	25,000.00	0
Parking Lot	1.90	Acre	1.90	82,764.00	0
Parking Lot	1.80	Acre	1.80	78,408.00	0
Parking Lot	0.70	Acre	0.70	30,492.00	0
City Park	5.80	Acre	5.80	252,648.00	0
Apartments Mid Rise	197.00	Dwelling Unit	7.20	197,000.00	563
Single Family Housing	18.00	Dwelling Unit	9.10	32,400.00	51
Regional Shopping Center	25.00	1000sqft	0.57	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 1, 2, 3, 5, and 6; and Dalidio improvements.

Construction Phase - No demolition in phases 1, 2, 4, 5 and 6. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition - Building sf estimated using Google Earth

Grading - Total import proportionally distributed by phase acreage.

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Energy Mitigation - Per Specific Plan, appliances will be energy efficient.

Water Mitigation - Total outdoor water use for these land uses = 20.7 Mgal, with park at 6.9 Mgal; Park using reclaimed = 33% of total.

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	NumDays	35.00	220.00
tblConstructionPhase	PhaseEndDate	1/10/2022	3/8/2021
tblConstructionPhase	PhaseStartDate	3/9/2021	5/5/2020
tblGrading	MaterialImported	0.00	84,320.00
tblLandUse	LotAcreage	0.57	0.63
tblLandUse	LotAcreage	5.18	7.20
tblLandUse	LotAcreage	5.84	9.10
tblProjectCharacteristics	OperationalYear	2018	2022
tblVehicleTrips	ST_TR	6.39	5.29
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.46	2.68
tblVehicleTrips	ST_TR	49.97	10.38
tblVehicleTrips	ST_TR	9.91	5.29
tblVehicleTrips	SU_TR	5.86	4.61
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.05	1.14
tblVehicleTrips	SU_TR	25.24	5.24
tblVehicleTrips	SU_TR	8.62	4.61
tblVehicleTrips	WD_TR	6.65	5.09
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	12.00
tblVehicleTrips	WD_TR	42.70	8.87
tblVehicleTrips	WD_TR	9.52	5.09

2.0 Emissions Summary

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, 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					
2019	0.6377	6.9536	4.6124	0.0133	0.8109	0.2324	1.0433	0.2957	0.2170	0.5126	0.0000	1,234.1606	1,234.1606	0.1558	0.0000	1,238.0562
2020	3.8858	4.2840	4.5851	0.0111	0.5628	0.1670	0.7298	0.1510	0.1576	0.3086	0.0000	1,006.7069	1,006.7069	0.1053	0.0000	1,009.3392
2021	0.9615	0.4402	0.5411	1.1000e-003	0.0415	0.0202	0.0617	0.0111	0.0189	0.0300	0.0000	98.0959	98.0959	0.0168	0.0000	98.5146
Maximum	3.8858	6.9536	4.6124	0.0133	0.8109	0.2324	1.0433	0.2957	0.2170	0.5126	0.0000	1,234.1606	1,234.1606	0.1558	0.0000	1,238.0562

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					
2019	0.6377	6.9536	4.6124	0.0133	0.8109	0.2324	1.0433	0.2957	0.2170	0.5126	0.0000	1,234.1601	1,234.1601	0.1558	0.0000	1,238.0557
2020	3.8858	4.2840	4.5851	0.0111	0.5628	0.1670	0.7298	0.1510	0.1576	0.3086	0.0000	1,006.7065	1,006.7065	0.1053	0.0000	1,009.3389
2021	0.9615	0.4402	0.5411	1.1000e-003	0.0415	0.0202	0.0617	0.0111	0.0189	0.0300	0.0000	98.0959	98.0959	0.0168	0.0000	98.5145
Maximum	3.8858	6.9536	4.6124	0.0133	0.8109	0.2324	1.0433	0.2957	0.2170	0.5126	0.0000	1,234.1601	1,234.1601	0.1558	0.0000	1,238.0557

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, 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
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	1-1-2019	3-31-2019	2.1295	2.1295
2	4-1-2019	6-30-2019	2.8516	2.8516
3	7-1-2019	9-30-2019	1.2726	1.2726
4	10-1-2019	12-31-2019	1.2858	1.2858
5	1-1-2020	3-31-2020	1.1543	1.1543
6	4-1-2020	6-30-2020	1.9721	1.9721
7	7-1-2020	9-30-2020	2.4938	2.4938
8	10-1-2020	12-31-2020	2.5077	2.5077
9	1-1-2021	3-31-2021	1.4344	1.4344
		Highest	2.8516	2.8516

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

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	1.6153	0.0338	2.9309	1.5000e-004		0.0162	0.0162		0.0162	0.0162	0.0000	4.7827	4.7827	4.6200e-003	0.0000	4.8982
Energy	0.0178	0.1534	0.0748	9.7000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	735.3627	735.3627	0.0287	8.4600e-003	738.6004
Mobile	0.4526	1.9214	5.0764	0.0147	1.3472	0.0152	1.3623	0.3607	0.0142	0.3749	0.0000	1,346.4177	1,346.4177	0.0537	0.0000	1,347.7604
Waste						0.0000	0.0000		0.0000	0.0000	32.7891	0.0000	32.7891	1.9378	0.0000	81.2337
Water						0.0000	0.0000		0.0000	0.0000	6.4413	51.9165	58.3578	0.6639	0.0161	79.7559
Total	2.0857	2.1085	8.0821	0.0158	1.3472	0.0437	1.3908	0.3607	0.0427	0.4034	39.2304	2,138.4796	2,177.7100	2.6887	0.0246	2,252.2485

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, 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	1.6153	0.0338	2.9309	1.5000e-004		0.0162	0.0162		0.0162	0.0162	0.0000	4.7827	4.7827	4.6200e-003	0.0000	4.8982
Energy	0.0178	0.1534	0.0748	9.7000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	728.3985	728.3985	0.0284	8.3900e-003	731.6089
Mobile	0.4526	1.9214	5.0764	0.0147	1.3472	0.0152	1.3623	0.3607	0.0142	0.3749	0.0000	1,346.4177	1,346.4177	0.0537	0.0000	1,347.7604
Waste						0.0000	0.0000		0.0000	0.0000	32.7891	0.0000	32.7891	1.9378	0.0000	81.2337
Water						0.0000	0.0000		0.0000	0.0000	6.4413	49.2822	55.7235	0.6638	0.0161	77.1113
Total	2.0857	2.1085	8.0821	0.0158	1.3472	0.0437	1.3908	0.3607	0.0427	0.4034	39.2304	2,128.8811	2,168.1116	2.6883	0.0245	2,242.6125

	ROG	NOx	CO	SO2	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	0.45	0.44	0.02	0.41	0.43

3.0 Construction Detail

Construction Phase

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2019	2/11/2019	5	30	
2	Site Preparation	Site Preparation	2/12/2019	3/11/2019	5	20	
3	Grading	Grading	3/12/2019	5/13/2019	5	45	
4	Building Construction	Building Construction	5/14/2019	1/18/2021	5	440	
5	Paving	Paving	1/19/2021	3/8/2021	5	35	
6	Architectural Coating	Architectural Coating	5/5/2020	3/8/2021	5	220	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 4.4

Residential Indoor: 464,535; Residential Outdoor: 154,845; Non-Residential Indoor: 75,000; Non-Residential Outdoor: 25,000; Striped Parking Area: 11,500 (Architectural Coating – sqft)

OffRoad Equipment

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, 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	80.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	10,540.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	351.00	104.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	70.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.9300e-003	0.0000	8.9300e-003	1.3500e-003	0.0000	1.3500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0527	0.5367	0.3309	5.8000e-004		0.0269	0.0269		0.0250	0.0250	0.0000	51.9395	51.9395	0.0145	0.0000	52.3007
Total	0.0527	0.5367	0.3309	5.8000e-004	8.9300e-003	0.0269	0.0359	1.3500e-003	0.0250	0.0264	0.0000	51.9395	51.9395	0.0145	0.0000	52.3007

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3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.1000e-004	0.0141	3.0500e-003	3.0000e-005	6.8000e-004	8.0000e-005	7.7000e-004	1.9000e-004	8.0000e-005	2.7000e-004	0.0000	3.1040	3.1040	1.8000e-004	0.0000	3.1084
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0800e-003	1.0200e-003	8.7900e-003	2.0000e-005	2.1700e-003	1.0000e-005	2.1800e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.8700	1.8700	7.0000e-005	0.0000	1.8718
Total	1.4900e-003	0.0151	0.0118	5.0000e-005	2.8500e-003	9.0000e-005	2.9500e-003	7.7000e-004	9.0000e-005	8.6000e-004	0.0000	4.9740	4.9740	2.5000e-004	0.0000	4.9802

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					8.9300e-003	0.0000	8.9300e-003	1.3500e-003	0.0000	1.3500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0527	0.5367	0.3309	5.8000e-004		0.0269	0.0269		0.0250	0.0250	0.0000	51.9394	51.9394	0.0145	0.0000	52.3007
Total	0.0527	0.5367	0.3309	5.8000e-004	8.9300e-003	0.0269	0.0359	1.3500e-003	0.0250	0.0264	0.0000	51.9394	51.9394	0.0145	0.0000	52.3007

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3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.1000e-004	0.0141	3.0500e-003	3.0000e-005	6.8000e-004	8.0000e-005	7.7000e-004	1.9000e-004	8.0000e-005	2.7000e-004	0.0000	3.1040	3.1040	1.8000e-004	0.0000	3.1084
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0800e-003	1.0200e-003	8.7900e-003	2.0000e-005	2.1700e-003	1.0000e-005	2.1800e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.8700	1.8700	7.0000e-005	0.0000	1.8718
Total	1.4900e-003	0.0151	0.0118	5.0000e-005	2.8500e-003	9.0000e-005	2.9500e-003	7.7000e-004	9.0000e-005	8.6000e-004	0.0000	4.9740	4.9740	2.5000e-004	0.0000	4.9802

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0434	0.4557	0.2206	3.8000e-004		0.0239	0.0239		0.0220	0.0220	0.0000	34.1687	34.1687	0.0108	0.0000	34.4390
Total	0.0434	0.4557	0.2206	3.8000e-004	0.1807	0.0239	0.2046	0.0993	0.0220	0.1213	0.0000	34.1687	34.1687	0.0108	0.0000	34.4390

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3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6000e-004	8.1000e-004	7.0400e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.4960	1.4960	6.0000e-005	0.0000	1.4974
Total	8.6000e-004	8.1000e-004	7.0400e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.4960	1.4960	6.0000e-005	0.0000	1.4974

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0434	0.4557	0.2206	3.8000e-004		0.0239	0.0239		0.0220	0.0220	0.0000	34.1687	34.1687	0.0108	0.0000	34.4389
Total	0.0434	0.4557	0.2206	3.8000e-004	0.1807	0.0239	0.2046	0.0993	0.0220	0.1213	0.0000	34.1687	34.1687	0.0108	0.0000	34.4389

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3.3 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6000e-004	8.1000e-004	7.0400e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.4960	1.4960	6.0000e-005	0.0000	1.4974
Total	8.6000e-004	8.1000e-004	7.0400e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.4960	1.4960	6.0000e-005	0.0000	1.4974

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2029	0.0000	0.2029	0.0821	0.0000	0.0821	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1066	1.2267	0.7510	1.4000e-003		0.0536	0.0536		0.0493	0.0493	0.0000	125.3280	125.3280	0.0397	0.0000	126.3193
Total	0.1066	1.2267	0.7510	1.4000e-003	0.2029	0.0536	0.2565	0.0821	0.0493	0.1314	0.0000	125.3280	125.3280	0.0397	0.0000	126.3193

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3.4 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0542	1.8510	0.4013	4.1900e-003	0.0898	0.0110	0.1008	0.0247	0.0105	0.0352	0.0000	408.9485	408.9485	0.0232	0.0000	409.5292
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1600e-003	2.0300e-003	0.0176	4.0000e-005	4.3300e-003	3.0000e-005	4.3600e-003	1.1500e-003	3.0000e-005	1.1800e-003	0.0000	3.7401	3.7401	1.4000e-004	0.0000	3.7436
Total	0.0564	1.8530	0.4189	4.2300e-003	0.0942	0.0110	0.1052	0.0258	0.0106	0.0364	0.0000	412.6885	412.6885	0.0234	0.0000	413.2727

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2029	0.0000	0.2029	0.0821	0.0000	0.0821	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1066	1.2267	0.7510	1.4000e-003		0.0536	0.0536		0.0493	0.0493	0.0000	125.3278	125.3278	0.0397	0.0000	126.3191
Total	0.1066	1.2267	0.7510	1.4000e-003	0.2029	0.0536	0.2565	0.0821	0.0493	0.1314	0.0000	125.3278	125.3278	0.0397	0.0000	126.3191

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3.4 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0542	1.8510	0.4013	4.1900e-003	0.0898	0.0110	0.1008	0.0247	0.0105	0.0352	0.0000	408.9485	408.9485	0.0232	0.0000	409.5292
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1600e-003	2.0300e-003	0.0176	4.0000e-005	4.3300e-003	3.0000e-005	4.3600e-003	1.1500e-003	3.0000e-005	1.1800e-003	0.0000	3.7401	3.7401	1.4000e-004	0.0000	3.7436
Total	0.0564	1.8530	0.4189	4.2300e-003	0.0942	0.0110	0.1052	0.0258	0.0106	0.0364	0.0000	412.6885	412.6885	0.0234	0.0000	413.2727

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1960	1.7495	1.4246	2.2300e-003		0.1071	0.1071		0.1007	0.1007	0.0000	195.1365	195.1365	0.0475	0.0000	196.3249
Total	0.1960	1.7495	1.4246	2.2300e-003		0.1071	0.1071		0.1007	0.1007	0.0000	195.1365	195.1365	0.0475	0.0000	196.3249

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3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0404	0.9846	0.3089	1.7300e-003	0.0392	7.8800e-003	0.0471	0.0113	7.5400e-003	0.0189	0.0000	166.2974	166.2974	0.0107	0.0000	166.5645
Worker	0.1399	0.1315	1.1387	2.6800e-003	0.2805	1.9000e-003	0.2824	0.0745	1.7600e-003	0.0763	0.0000	242.1319	242.1319	9.0300e-003	0.0000	242.3576
Total	0.1803	1.1160	1.4475	4.4100e-003	0.3197	9.7800e-003	0.3295	0.0859	9.3000e-003	0.0952	0.0000	408.4294	408.4294	0.0197	0.0000	408.9220

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1960	1.7495	1.4246	2.2300e-003		0.1071	0.1071		0.1007	0.1007	0.0000	195.1363	195.1363	0.0475	0.0000	196.3247
Total	0.1960	1.7495	1.4246	2.2300e-003		0.1071	0.1071		0.1007	0.1007	0.0000	195.1363	195.1363	0.0475	0.0000	196.3247

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3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0404	0.9846	0.3089	1.7300e-003	0.0392	7.8800e-003	0.0471	0.0113	7.5400e-003	0.0189	0.0000	166.2974	166.2974	0.0107	0.0000	166.5645
Worker	0.1399	0.1315	1.1387	2.6800e-003	0.2805	1.9000e-003	0.2824	0.0745	1.7600e-003	0.0763	0.0000	242.1319	242.1319	9.0300e-003	0.0000	242.3576
Total	0.1803	1.1160	1.4475	4.4100e-003	0.3197	9.7800e-003	0.3295	0.0859	9.3000e-003	0.0952	0.0000	408.4294	408.4294	0.0197	0.0000	408.9220

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4091	303.4091	0.0740	0.0000	305.2596
Total	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4091	303.4091	0.0740	0.0000	305.2596

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3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0507	1.4182	0.4297	2.7200e-003	0.0619	7.7300e-003	0.0696	0.0179	7.4000e-003	0.0253	0.0000	262.1100	262.1100	0.0158	0.0000	262.5042
Worker	0.2011	0.1827	1.5816	4.1000e-003	0.4427	2.9100e-003	0.4456	0.1176	2.6800e-003	0.1203	0.0000	370.3347	370.3347	0.0122	0.0000	370.6395
Total	0.2518	1.6009	2.0112	6.8200e-003	0.5046	0.0106	0.5152	0.1355	0.0101	0.1456	0.0000	632.4447	632.4447	0.0280	0.0000	633.1437

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4087	303.4087	0.0740	0.0000	305.2592
Total	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4087	303.4087	0.0740	0.0000	305.2592

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3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0507	1.4182	0.4297	2.7200e-003	0.0619	7.7300e-003	0.0696	0.0179	7.4000e-003	0.0253	0.0000	262.1100	262.1100	0.0158	0.0000	262.5042
Worker	0.2011	0.1827	1.5816	4.1000e-003	0.4427	2.9100e-003	0.4456	0.1176	2.6800e-003	0.1203	0.0000	370.3347	370.3347	0.0122	0.0000	370.6395
Total	0.2518	1.6009	2.0112	6.8200e-003	0.5046	0.0106	0.5152	0.1355	0.0101	0.1456	0.0000	632.4447	632.4447	0.0280	0.0000	633.1437

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	0.0114	0.1046	0.0995	1.6000e-004		5.7500e-003	5.7500e-003		5.4100e-003	5.4100e-003	0.0000	13.8982	13.8982	3.3500e-003	0.0000	13.9821
Total	0.0114	0.1046	0.0995	1.6000e-004		5.7500e-003	5.7500e-003		5.4100e-003	5.4100e-003	0.0000	13.8982	13.8982	3.3500e-003	0.0000	13.9821

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3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9000e-003	0.0594	0.0174	1.2000e-004	2.8300e-003	1.7000e-004	3.0000e-003	8.2000e-004	1.6000e-004	9.8000e-004	0.0000	11.9331	11.9331	7.0000e-004	0.0000	11.9507
Worker	8.5800e-003	7.4800e-003	0.0657	1.8000e-004	0.0203	1.3000e-004	0.0204	5.3900e-003	1.2000e-004	5.5100e-003	0.0000	16.3838	16.3838	5.0000e-004	0.0000	16.3962
Total	0.0105	0.0669	0.0831	3.0000e-004	0.0231	3.0000e-004	0.0234	6.2100e-003	2.8000e-004	6.4900e-003	0.0000	28.3169	28.3169	1.2000e-003	0.0000	28.3469

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0114	0.1046	0.0995	1.6000e-004		5.7500e-003	5.7500e-003		5.4100e-003	5.4100e-003	0.0000	13.8982	13.8982	3.3500e-003	0.0000	13.9821
Total	0.0114	0.1046	0.0995	1.6000e-004		5.7500e-003	5.7500e-003		5.4100e-003	5.4100e-003	0.0000	13.8982	13.8982	3.3500e-003	0.0000	13.9821

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3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9000e-003	0.0594	0.0174	1.2000e-004	2.8300e-003	1.7000e-004	3.0000e-003	8.2000e-004	1.6000e-004	9.8000e-004	0.0000	11.9331	11.9331	7.0000e-004	0.0000	11.9507
Worker	8.5800e-003	7.4800e-003	0.0657	1.8000e-004	0.0203	1.3000e-004	0.0204	5.3900e-003	1.2000e-004	5.5100e-003	0.0000	16.3838	16.3838	5.0000e-004	0.0000	16.3962
Total	0.0105	0.0669	0.0831	3.0000e-004	0.0231	3.0000e-004	0.0234	6.2100e-003	2.8000e-004	6.4900e-003	0.0000	28.3169	28.3169	1.2000e-003	0.0000	28.3469

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0220	0.2261	0.2564	4.0000e-004		0.0119	0.0119		0.0109	0.0109	0.0000	35.0411	35.0411	0.0113	0.0000	35.3244
Paving	5.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0277	0.2261	0.2564	4.0000e-004		0.0119	0.0119		0.0109	0.0109	0.0000	35.0411	35.0411	0.0113	0.0000	35.3244

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3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.0700e-003	9.3000e-004	8.1800e-003	2.0000e-005	2.5300e-003	2.0000e-005	2.5400e-003	6.7000e-004	1.0000e-005	6.9000e-004	0.0000	2.0421	2.0421	6.0000e-005	0.0000	2.0437
Total	1.0700e-003	9.3000e-004	8.1800e-003	2.0000e-005	2.5300e-003	2.0000e-005	2.5400e-003	6.7000e-004	1.0000e-005	6.9000e-004	0.0000	2.0421	2.0421	6.0000e-005	0.0000	2.0437

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0220	0.2261	0.2564	4.0000e-004		0.0119	0.0119		0.0109	0.0109	0.0000	35.0411	35.0411	0.0113	0.0000	35.3244
Paving	5.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0277	0.2261	0.2564	4.0000e-004		0.0119	0.0119		0.0109	0.0109	0.0000	35.0411	35.0411	0.0113	0.0000	35.3244

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3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.0700e-003	9.3000e-004	8.1800e-003	2.0000e-005	2.5300e-003	2.0000e-005	2.5400e-003	6.7000e-004	1.0000e-005	6.9000e-004	0.0000	2.0421	2.0421	6.0000e-005	0.0000	2.0437
Total	1.0700e-003	9.3000e-004	8.1800e-003	2.0000e-005	2.5300e-003	2.0000e-005	2.5400e-003	6.7000e-004	1.0000e-005	6.9000e-004	0.0000	2.0421	2.0421	6.0000e-005	0.0000	2.0437

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3089					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0210	0.1457	0.1584	2.6000e-004		9.6000e-003	9.6000e-003		9.6000e-003	9.6000e-003	0.0000	22.0856	22.0856	1.7100e-003	0.0000	22.1284
Total	3.3299	0.1457	0.1584	2.6000e-004		9.6000e-003	9.6000e-003		9.6000e-003	9.6000e-003	0.0000	22.0856	22.0856	1.7100e-003	0.0000	22.1284

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3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0265	0.0241	0.2083	5.4000e-004	0.0583	3.8000e-004	0.0587	0.0155	3.5000e-004	0.0158	0.0000	48.7675	48.7675	1.6100e-003	0.0000	48.8076
Total	0.0265	0.0241	0.2083	5.4000e-004	0.0583	3.8000e-004	0.0587	0.0155	3.5000e-004	0.0158	0.0000	48.7675	48.7675	1.6100e-003	0.0000	48.8076

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3089					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0210	0.1457	0.1584	2.6000e-004		9.6000e-003	9.6000e-003		9.6000e-003	9.6000e-003	0.0000	22.0856	22.0856	1.7100e-003	0.0000	22.1284
Total	3.3299	0.1457	0.1584	2.6000e-004		9.6000e-003	9.6000e-003		9.6000e-003	9.6000e-003	0.0000	22.0856	22.0856	1.7100e-003	0.0000	22.1284

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3.7 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0265	0.0241	0.2083	5.4000e-004	0.0583	3.8000e-004	0.0587	0.0155	3.5000e-004	0.0158	0.0000	48.7675	48.7675	1.6100e-003	0.0000	48.8076
Total	0.0265	0.0241	0.2083	5.4000e-004	0.0583	3.8000e-004	0.0587	0.0155	3.5000e-004	0.0158	0.0000	48.7675	48.7675	1.6100e-003	0.0000	48.8076

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8990					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1400e-003	0.0359	0.0427	7.0000e-005		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	6.0002	6.0002	4.1000e-004	0.0000	6.0104
Total	0.9041	0.0359	0.0427	7.0000e-005		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	6.0002	6.0002	4.1000e-004	0.0000	6.0104

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3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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-003	5.8400e-003	0.0513	1.4000e-004	0.0158	1.0000e-004	0.0159	4.2100e-003	9.0000e-005	4.3000e-003	0.0000	12.7974	12.7974	3.9000e-004	0.0000	12.8071
Total	6.7000e-003	5.8400e-003	0.0513	1.4000e-004	0.0158	1.0000e-004	0.0159	4.2100e-003	9.0000e-005	4.3000e-003	0.0000	12.7974	12.7974	3.9000e-004	0.0000	12.8071

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8990					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1400e-003	0.0359	0.0427	7.0000e-005		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	6.0001	6.0001	4.1000e-004	0.0000	6.0104
Total	0.9041	0.0359	0.0427	7.0000e-005		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	6.0001	6.0001	4.1000e-004	0.0000	6.0104

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3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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-003	5.8400e-003	0.0513	1.4000e-004	0.0158	1.0000e-004	0.0159	4.2100e-003	9.0000e-005	4.3000e-003	0.0000	12.7974	12.7974	3.9000e-004	0.0000	12.8071
Total	6.7000e-003	5.8400e-003	0.0513	1.4000e-004	0.0158	1.0000e-004	0.0159	4.2100e-003	9.0000e-005	4.3000e-003	0.0000	12.7974	12.7974	3.9000e-004	0.0000	12.8071

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4526	1.9214	5.0764	0.0147	1.3472	0.0152	1.3623	0.3607	0.0142	0.3749	0.0000	1,346.4177	1,346.4177	0.0537	0.0000	1,347.7604
Unmitigated	0.4526	1.9214	5.0764	0.0147	1.3472	0.0152	1.3623	0.3607	0.0142	0.3749	0.0000	1,346.4177	1,346.4177	0.0537	0.0000	1,347.7604

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,002.73	1,042.13	908.17	2,528,468	2,528,468
City Park	0.00	0.00	0.00		
General Office Building	300.00	67.00	28.50	518,513	518,513
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	221.75	259.50	131.00	309,253	309,253
Single Family Housing	91.62	95.22	82.98	231,028	231,028
Total	1,616.10	1,463.85	1,150.65	3,587,261	3,587,261

4.3 Trip Type Information

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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 Mid Rise	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
City Park	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Apartments Mid Rise	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Single Family Housing	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Regional Shopping Center	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	552.3779	552.3779	0.0250	5.1700e-003	554.5422
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	559.3420	559.3420	0.0253	5.2300e-003	561.5337
NaturalGas Mitigated	0.0178	0.1534	0.0748	9.7000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	176.0207	176.0207	3.3700e-003	3.2300e-003	177.0667
NaturalGas Unmitigated	0.0178	0.1534	0.0748	9.7000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	176.0207	176.0207	3.3700e-003	3.2300e-003	177.0667

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	2.18061e+006	0.0118	0.1005	0.0428	6.4000e-004		8.1200e-003	8.1200e-003		8.1200e-003	8.1200e-003	0.0000	116.3655	116.3655	2.2300e-003	2.1300e-003	117.0570
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	411250	2.2200e-003	0.0202	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.9459	21.9459	4.2000e-004	4.0000e-004	22.0763
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
Regional Shopping Center	59500	3.2000e-004	2.9200e-003	2.4500e-003	2.0000e-005		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.0000	3.1752	3.1752	6.0000e-005	6.0000e-005	3.1940
Single Family Housing	647146	3.4900e-003	0.0298	0.0127	1.9000e-004		2.4100e-003	2.4100e-003		2.4100e-003	2.4100e-003	0.0000	34.5342	34.5342	6.6000e-004	6.3000e-004	34.7394
Total		0.0178	0.1534	0.0748	9.7000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	176.0207	176.0207	3.3700e-003	3.2200e-003	177.0667

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	2.18061e+006	0.0118	0.1005	0.0428	6.4000e-004		8.1200e-003	8.1200e-003		8.1200e-003	8.1200e-003	0.0000	116.3655	116.3655	2.2300e-003	2.1300e-003	117.0570
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	411250	2.2200e-003	0.0202	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.9459	21.9459	4.2000e-004	4.0000e-004	22.0763
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
Regional Shopping Center	59500	3.2000e-004	2.9200e-003	2.4500e-003	2.0000e-005		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.0000	3.1752	3.1752	6.0000e-005	6.0000e-005	3.1940
Single Family Housing	647146	3.4900e-003	0.0298	0.0127	1.9000e-004		2.4100e-003	2.4100e-003		2.4100e-003	2.4100e-003	0.0000	34.5342	34.5342	6.6000e-004	6.3000e-004	34.7394
Total		0.0178	0.1534	0.0748	9.7000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	176.0207	176.0207	3.3700e-003	3.2200e-003	177.0667

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	868961	252.7908	0.0114	2.3600e-003	253.7813
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	455500	132.5102	5.9900e-003	1.2400e-003	133.0294
Parking Lot	26833	7.8060	3.5000e-004	7.0000e-005	7.8366
Parking Lot	68999	20.0726	9.1000e-004	1.9000e-004	20.1513
Parking Lot	72832.3	21.1878	9.6000e-004	2.0000e-004	21.2708
Regional Shopping Center	273750	79.6370	3.6000e-003	7.5000e-004	79.9491
Single Family Housing	155847	45.3377	2.0500e-003	4.2000e-004	45.5153
Total		559.3420	0.0253	5.2300e-003	561.5337

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	848048	246.7069	0.0112	2.3100e-003	247.6736
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	455500	132.5102	5.9900e-003	1.2400e-003	133.0294
Parking Lot	26833	7.8060	3.5000e-004	7.0000e-005	7.8366
Parking Lot	68999	20.0726	9.1000e-004	1.9000e-004	20.1513
Parking Lot	72832.3	21.1878	9.6000e-004	2.0000e-004	21.2708
Regional Shopping Center	273750	79.6370	3.6000e-003	7.5000e-004	79.9491
Single Family Housing	152821	44.4574	2.0100e-003	4.2000e-004	44.6316
Total		552.3779	0.0250	5.1800e-003	554.5422

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.6153	0.0338	2.9309	1.5000e-004		0.0162	0.0162		0.0162	0.0162	0.0000	4.7827	4.7827	4.6200e-003	0.0000	4.8982
Unmitigated	1.6153	0.0338	2.9309	1.5000e-004		0.0162	0.0162		0.0162	0.0162	0.0000	4.7827	4.7827	4.6200e-003	0.0000	4.8982

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	0.4208					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1060					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	0.0886	0.0338	2.9309	1.5000e-004		0.0162	0.0162		0.0162	0.0162	0.0000	4.7827	4.7827	4.6200e-003	0.0000	4.8982
Total	1.6153	0.0338	2.9309	1.5000e-004		0.0162	0.0162		0.0162	0.0162	0.0000	4.7827	4.7827	4.6200e-003	0.0000	4.8982

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4208					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1060					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	0.0886	0.0338	2.9309	1.5000e-004		0.0162	0.0162		0.0162	0.0162	0.0000	4.7827	4.7827	4.6200e-003	0.0000	4.8982
Total	1.6153	0.0338	2.9309	1.5000e-004		0.0162	0.0162		0.0162	0.0162	0.0000	4.7827	4.7827	4.6200e-003	0.0000	4.8982

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	55.7235	0.6638	0.0161	77.1113
Unmitigated	58.3578	0.6639	0.0161	79.7559

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7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	12.8353 / 8.09185	32.5155	0.4195	0.0101	46.0259
City Park	0 / 6.91059	7.0363	3.2000e-004	7.0000e-005	7.0639
General Office Building	4.44334 / 2.72334	11.1769	0.1452	3.5100e-003	15.8536
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.85181 / 1.13498	4.6581	0.0605	1.4600e-003	6.6072
Single Family Housing	1.17277 / 0.739357	2.9710	0.0383	9.3000e-004	4.2054
Total		58.3578	0.6639	0.0161	79.7559

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	12.8353 / 7.02372	31.4279	0.4195	0.0101	44.9340
City Park	0 / 5.99839	6.1075	2.8000e-004	6.0000e-005	6.1314
General Office Building	4.44334 / 2.36386	10.8109	0.1452	3.5100e-003	15.4862
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.85181 / 0.985165	4.5056	0.0605	1.4600e-003	6.4540
Single Family Housing	1.17277 / 0.641761	2.8716	0.0383	9.3000e-004	4.1057
Total		55.7235	0.6638	0.0161	77.1113

8.0 Waste Detail

8.1 Mitigation Measures Waste

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	32.7891	1.9378	0.0000	81.2337
Unmitigated	32.7891	1.9378	0.0000	81.2337

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	90.62	18.3950	1.0871	0.0000	45.5729
City Park	0.5	0.1015	6.0000e-003	0.0000	0.2515
General Office Building	23.25	4.7195	0.2789	0.0000	11.6925
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	26.25	5.3285	0.3149	0.0000	13.2012
Single Family Housing	20.91	4.2445	0.2509	0.0000	10.5157
Total		32.7891	1.9378	0.0000	81.2337

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	90.62	18.3950	1.0871	0.0000	45.5729
City Park	0.5	0.1015	6.0000e-003	0.0000	0.2515
General Office Building	23.25	4.7195	0.2789	0.0000	11.6925
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	26.25	5.3285	0.3149	0.0000	13.2012
Single Family Housing	20.91	4.2445	0.2509	0.0000	10.5157
Total		32.7891	1.9378	0.0000	81.2337

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

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

Equipment Type	Number
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11.0 Vegetation

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

San Luis Ranch Project - 2019 Start
San Luis Obispo County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	0.63	25,000.00	0
Parking Lot	1.90	Acre	1.90	82,764.00	0
Parking Lot	1.80	Acre	1.80	78,408.00	0
Parking Lot	0.70	Acre	0.70	30,492.00	0
City Park	5.80	Acre	5.80	252,648.00	0
Apartments Mid Rise	197.00	Dwelling Unit	7.20	197,000.00	563
Single Family Housing	18.00	Dwelling Unit	9.10	32,400.00	51
Regional Shopping Center	25.00	1000sqft	0.57	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 1, 2, 3, 5, and 6; and Dalidio improvements.

Construction Phase - No demolition in phases 1, 2, 4, 5 and 6. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition - Building sf estimated using Google Earth

Grading - Total import proportionally distributed by phase acreage.

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Energy Mitigation - Per Specific Plan, appliances will be energy efficient.

Water Mitigation - Total outdoor water use for these land uses = 20.7 Mgal, with park at 6.9 Mgal; Park using reclaimed = 33% of total.

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	NumDays	35.00	220.00
tblConstructionPhase	PhaseEndDate	1/10/2022	3/8/2021
tblConstructionPhase	PhaseStartDate	3/9/2021	5/5/2020
tblGrading	MaterialImported	0.00	84,320.00
tblLandUse	LotAcreage	0.57	0.63
tblLandUse	LotAcreage	5.18	7.20
tblLandUse	LotAcreage	5.84	9.10
tblProjectCharacteristics	OperationalYear	2018	2022
tblVehicleTrips	ST_TR	6.39	5.29
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.46	2.68
tblVehicleTrips	ST_TR	49.97	10.38
tblVehicleTrips	ST_TR	9.91	5.29
tblVehicleTrips	SU_TR	5.86	4.61
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.05	1.14
tblVehicleTrips	SU_TR	25.24	5.24
tblVehicleTrips	SU_TR	8.62	4.61
tblVehicleTrips	WD_TR	6.65	5.09
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	12.00
tblVehicleTrips	WD_TR	42.70	8.87
tblVehicleTrips	WD_TR	9.52	5.09

2.0 Emissions Summary

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	7.2160	135.2333	51.5134	0.2512	18.2442	2.8691	20.6358	9.9779	2.6574	12.1781	0.0000	26,484.94 26	26,484.94 26	3.0704	0.0000	26,561.70 25
2020	42.7933	33.1051	36.6998	0.0899	4.6448	1.3129	5.9577	1.2429	1.2416	2.4845	0.0000	8,958.013 8	8,958.013 8	0.8999	0.0000	8,980.511 1
2021	42.3586	30.1326	34.6760	0.0885	4.6449	1.1061	5.7510	1.2429	1.0455	2.2885	0.0000	8,812.812 2	8,812.812 2	0.8733	0.0000	8,834.644 5
Maximum	42.7933	135.2333	51.5134	0.2512	18.2442	2.8691	20.6358	9.9779	2.6574	12.1781	0.0000	26,484.94 26	26,484.94 26	3.0704	0.0000	26,561.70 25

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					
2019	7.2160	135.2333	51.5134	0.2512	18.2442	2.8691	20.6358	9.9779	2.6574	12.1781	0.0000	26,484.94 26	26,484.94 26	3.0704	0.0000	26,561.70 25
2020	42.7933	33.1051	36.6998	0.0899	4.6448	1.3129	5.9577	1.2429	1.2416	2.4845	0.0000	8,958.013 8	8,958.013 8	0.8999	0.0000	8,980.511 0
2021	42.3586	30.1326	34.6760	0.0885	4.6449	1.1061	5.7510	1.2429	1.0455	2.2885	0.0000	8,812.812 2	8,812.812 2	0.8733	0.0000	8,834.644 5
Maximum	42.7933	135.2333	51.5134	0.2512	18.2442	2.8691	20.6358	9.9779	2.6574	12.1781	0.0000	26,484.94 26	26,484.94 26	3.0704	0.0000	26,561.70 25

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.9027	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981	0.0000	31.9519	31.9519	0.0309	0.0000	32.7231
Energy	0.0975	0.8404	0.4100	5.3200e-003		0.0673	0.0673		0.0673	0.0673		1,063.1759	1,063.1759	0.0204	0.0195	1,069.4938
Mobile	2.9091	11.2388	30.6504	0.0920	8.3620	0.0916	8.4536	2.2338	0.0859	2.3198		9,277.8426	9,277.8426	0.3582		9,286.7964
Total	11.9092	12.2841	48.8235	0.0982	8.3620	0.2570	8.6190	2.2338	0.2514	2.4852	0.0000	10,372.9704	10,372.9704	0.4094	0.0195	10,389.0133

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	8.9027	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981	0.0000	31.9519	31.9519	0.0309	0.0000	32.7231
Energy	0.0975	0.8404	0.4100	5.3200e-003		0.0673	0.0673		0.0673	0.0673		1,063.1759	1,063.1759	0.0204	0.0195	1,069.4938
Mobile	2.9091	11.2388	30.6504	0.0920	8.3620	0.0916	8.4536	2.2338	0.0859	2.3198		9,277.8426	9,277.8426	0.3582		9,286.7964
Total	11.9092	12.2841	48.8235	0.0982	8.3620	0.2570	8.6190	2.2338	0.2514	2.4852	0.0000	10,372.9704	10,372.9704	0.4094	0.0195	10,389.0133

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2019	2/11/2019	5	30	
2	Site Preparation	Site Preparation	2/12/2019	3/11/2019	5	20	
3	Grading	Grading	3/12/2019	5/13/2019	5	45	
4	Building Construction	Building Construction	5/14/2019	1/18/2021	5	440	
5	Paving	Paving	1/19/2021	3/8/2021	5	35	
6	Architectural Coating	Architectural Coating	5/5/2020	3/8/2021	5	220	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 4.4

Residential Indoor: 464,535; Residential Outdoor: 154,845; Non-Residential Indoor: 75,000; Non-Residential Outdoor: 25,000; Striped Parking Area: 11,500 (Architectural Coating – sqft)

OffRoad Equipment

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	80.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	10,540.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	351.00	104.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	70.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5952	0.0000	0.5952	0.0901	0.0000	0.0901			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	0.5952	1.7949	2.3901	0.0901	1.6697	1.7598		3,816.8994	3,816.8994	1.0618		3,843.4451

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0271	0.9180	0.1973	2.1300e-003	0.0465	5.5200e-003	0.0520	0.0127	5.2800e-003	0.0180		229.4602	229.4602	0.0128		229.7792
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0705	0.0608	0.6028	1.4400e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		143.0023	143.0023	5.2500e-003		143.1336
Total	0.0976	0.9788	0.8001	3.5700e-003	0.1948	6.5000e-003	0.2013	0.0521	6.1900e-003	0.0583		372.4624	372.4624	0.0180		372.9128

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5952	0.0000	0.5952	0.0901	0.0000	0.0901			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	0.5952	1.7949	2.3901	0.0901	1.6697	1.7598	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0271	0.9180	0.1973	2.1300e-003	0.0465	5.5200e-003	0.0520	0.0127	5.2800e-003	0.0180		229.4602	229.4602	0.0128		229.7792
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0705	0.0608	0.6028	1.4400e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		143.0023	143.0023	5.2500e-003		143.1336
Total	0.0976	0.9788	0.8001	3.5700e-003	0.1948	6.5000e-003	0.2013	0.0521	6.1900e-003	0.0583		372.4624	372.4624	0.0180		372.9128

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	18.0663	2.3904	20.4566	9.9307	2.1991	12.1298		3,766.4529	3,766.4529	1.1917		3,796.2445

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0846	0.0729	0.7233	1.7200e-003	0.1780	1.1800e-003	0.1791	0.0472	1.0900e-003	0.0483		171.6027	171.6027	6.3000e-003		171.7603
Total	0.0846	0.0729	0.7233	1.7200e-003	0.1780	1.1800e-003	0.1791	0.0472	1.0900e-003	0.0483		171.6027	171.6027	6.3000e-003		171.7603

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	18.0663	2.3904	20.4566	9.9307	2.1991	12.1298	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.3 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0846	0.0729	0.7233	1.7200e-003	0.1780	1.1800e-003	0.1791	0.0472	1.0900e-003	0.0483		171.6027	171.6027	6.3000e-003		171.7603
Total	0.0846	0.0729	0.7233	1.7200e-003	0.1780	1.1800e-003	0.1791	0.0472	1.0900e-003	0.0483		171.6027	171.6027	6.3000e-003		171.7603

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.0182	0.0000	9.0182	3.6487	0.0000	3.6487			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
Total	4.7389	54.5202	33.3768	0.0620	9.0182	2.3827	11.4009	3.6487	2.1920	5.8408		6,140.0195	6,140.0195	1.9426		6,188.5854

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.4 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.3832	80.6321	17.3329	0.1873	4.0853	0.4852	4.5705	1.1190	0.4642	1.5832		20,154.2534	20,154.2534	1.1208		20,182.2724
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0940	0.0810	0.8037	1.9200e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2100e-003	0.0537		190.6697	190.6697	7.0000e-003		190.8448
Total	2.4771	80.7132	18.1367	0.1892	4.2831	0.4865	4.7696	1.1714	0.4654	1.6368		20,344.9231	20,344.9231	1.1278		20,373.1171

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.0182	0.0000	9.0182	3.6487	0.0000	3.6487			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854
Total	4.7389	54.5202	33.3768	0.0620	9.0182	2.3827	11.4009	3.6487	2.1920	5.8408	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.4 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.3832	80.6321	17.3329	0.1873	4.0853	0.4852	4.5705	1.1190	0.4642	1.5832		20,154.2534	20,154.2534	1.1208		20,182.2724
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0940	0.0810	0.8037	1.9200e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2100e-003	0.0537		190.6697	190.6697	7.0000e-003		190.8448
Total	2.4771	80.7132	18.1367	0.1892	4.2831	0.4865	4.7696	1.1714	0.4654	1.6368		20,344.9231	20,344.9231	1.1278		20,373.1171

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4759	11.7437	3.4953	0.0210	0.4827	0.0938	0.5765	0.1390	0.0898	0.2288		2,236.0591	2,236.0591	0.1373		2,239.4926
Worker	1.6488	1.4218	14.1052	0.0336	3.4700	0.0229	3.4930	0.9203	0.0212	0.9415		3,346.2526	3,346.2526	0.1229		3,349.3257
Total	2.1247	13.1655	17.6005	0.0547	3.9527	0.1168	4.0695	1.0593	0.1109	1.1703		5,582.3116	5,582.3116	0.2603		5,588.8184

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4759	11.7437	3.4953	0.0210	0.4827	0.0938	0.5765	0.1390	0.0898	0.2288		2,236.0591	2,236.0591	0.1373		2,239.4926
Worker	1.6488	1.4218	14.1052	0.0336	3.4700	0.0229	3.4930	0.9203	0.0212	0.9415		3,346.2526	3,346.2526	0.1229		3,349.3257
Total	2.1247	13.1655	17.6005	0.0547	3.9527	0.1168	4.0695	1.0593	0.1109	1.1703		5,582.3116	5,582.3116	0.2603		5,588.8184

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3771	10.7332	3.0758	0.0210	0.4828	0.0583	0.5410	0.1390	0.0557	0.1948		2,233.937 2	2,233.937 2	0.1285		2,237.148 6
Worker	1.5013	1.2523	12.4593	0.0326	3.4700	0.0222	3.4922	0.9203	0.0205	0.9408		3,242.844 4	3,242.844 4	0.1057		3,245.487 0
Total	1.8784	11.9855	15.5351	0.0536	3.9528	0.0805	4.0333	1.0594	0.0762	1.1356		5,476.781 6	5,476.781 6	0.2342		5,482.635 6

Mitigated Construction On-Site

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

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3771	10.7332	3.0758	0.0210	0.4828	0.0583	0.5410	0.1390	0.0557	0.1948		2,233.937 2	2,233.937 2	0.1285		2,237.148 6
Worker	1.5013	1.2523	12.4593	0.0326	3.4700	0.0222	3.4922	0.9203	0.0205	0.9408		3,242.844 4	3,242.844 4	0.1057		3,245.487 0
Total	1.8784	11.9855	15.5351	0.0536	3.9528	0.0805	4.0333	1.0594	0.0762	1.1356		5,476.781 6	5,476.781 6	0.2342		5,482.635 6

3.5 Building Construction - 2021

Unmitigated Construction On-Site

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

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, 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	0.3082	9.8302	2.7125	0.0209	0.4829	0.0276	0.5104	0.1391	0.0264	0.1655		2,220.9868	2,220.9868	0.1251		2,224.1153
Worker	1.3982	1.1200	11.3144	0.0315	3.4700	0.0215	3.4915	0.9203	0.0198	0.9401		3,132.3319	3,132.3319	0.0941		3,134.6835
Total	1.7065	10.9503	14.0268	0.0523	3.9529	0.0491	4.0020	1.0594	0.0462	1.1056		5,353.3187	5,353.3187	0.2192		5,358.7988

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, 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	0.3082	9.8302	2.7125	0.0209	0.4829	0.0276	0.5104	0.1391	0.0264	0.1655		2,220.9868	2,220.9868	0.1251		2,224.1153
Worker	1.3982	1.1200	11.3144	0.0315	3.4700	0.0215	3.4915	0.9203	0.0198	0.9401		3,132.3319	3,132.3319	0.0941		3,134.6835
Total	1.7065	10.9503	14.0268	0.0523	3.9529	0.0491	4.0020	1.0594	0.0462	1.1056		5,353.3187	5,353.3187	0.2192		5,358.7988

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3294					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5849	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0598	0.0479	0.4835	1.3400e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		133.8603	133.8603	4.0200e-003		133.9608
Total	0.0598	0.0479	0.4835	1.3400e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		133.8603	133.8603	4.0200e-003		133.9608

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3294					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5849	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0598	0.0479	0.4835	1.3400e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		133.8603	133.8603	4.0200e-003		133.9608
Total	0.0598	0.0479	0.4835	1.3400e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		133.8603	133.8603	4.0200e-003		133.9608

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.2535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	38.4957	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2994	0.2498	2.4848	6.5000e-003	0.6920	4.4300e-003	0.6965	0.1835	4.0800e-003	0.1876		646.7211	646.7211	0.0211		647.2481
Total	0.2994	0.2498	2.4848	6.5000e-003	0.6920	4.4300e-003	0.6965	0.1835	4.0800e-003	0.1876		646.7211	646.7211	0.0211		647.2481

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	38.2535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	38.4957	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.7 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2994	0.2498	2.4848	6.5000e-003	0.6920	4.4300e-003	0.6965	0.1835	4.0800e-003	0.1876		646.7211	646.7211	0.0211		647.2481
Total	0.2994	0.2498	2.4848	6.5000e-003	0.6920	4.4300e-003	0.6965	0.1835	4.0800e-003	0.1876		646.7211	646.7211	0.0211		647.2481

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.2535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	38.4724	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2789	0.2234	2.2564	6.2700e-003	0.6920	4.2900e-003	0.6963	0.1835	3.9500e-003	0.1875		624.6816	624.6816	0.0188		625.1506
Total	0.2789	0.2234	2.2564	6.2700e-003	0.6920	4.2900e-003	0.6963	0.1835	3.9500e-003	0.1875		624.6816	624.6816	0.0188		625.1506

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	38.2535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	38.4724	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2789	0.2234	2.2564	6.2700e-003	0.6920	4.2900e-003	0.6963	0.1835	3.9500e-003	0.1875		624.6816	624.6816	0.0188		625.1506
Total	0.2789	0.2234	2.2564	6.2700e-003	0.6920	4.2900e-003	0.6963	0.1835	3.9500e-003	0.1875		624.6816	624.6816	0.0188		625.1506

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.9091	11.2388	30.6504	0.0920	8.3620	0.0916	8.4536	2.2338	0.0859	2.3198		9,277.8426	9,277.8426	0.3582		9,286.7964
Unmitigated	2.9091	11.2388	30.6504	0.0920	8.3620	0.0916	8.4536	2.2338	0.0859	2.3198		9,277.8426	9,277.8426	0.3582		9,286.7964

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,002.73	1,042.13	908.17	2,528,468	2,528,468
City Park	0.00	0.00	0.00		
General Office Building	300.00	67.00	28.50	518,513	518,513
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	221.75	259.50	131.00	309,253	309,253
Single Family Housing	91.62	95.22	82.98	231,028	231,028
Total	1,616.10	1,463.85	1,150.65	3,587,261	3,587,261

4.3 Trip Type Information

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
City Park	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Apartments Mid Rise	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Single Family Housing	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Regional Shopping Center	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0975	0.8404	0.4100	5.3200e-003		0.0673	0.0673		0.0673	0.0673		1,063.1759	1,063.1759	0.0204	0.0195	1,069.4938
NaturalGas Unmitigated	0.0975	0.8404	0.4100	5.3200e-003		0.0673	0.0673		0.0673	0.0673		1,063.1759	1,063.1759	0.0204	0.0195	1,069.4938

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	5974.27	0.0644	0.5506	0.2343	3.5100e-003		0.0445	0.0445		0.0445	0.0445		702.8547	702.8547	0.0135	0.0129	707.0314
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1126.71	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
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
Regional Shopping Center	163.014	1.7600e-003	0.0160	0.0134	1.0000e-004		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		19.1781	19.1781	3.7000e-004	3.5000e-004	19.2921
Single Family Housing	1773	0.0191	0.1634	0.0695	1.0400e-003		0.0132	0.0132		0.0132	0.0132		208.5887	208.5887	4.0000e-003	3.8200e-003	209.8282
Total		0.0975	0.8404	0.4100	5.3100e-003		0.0673	0.0673		0.0673	0.0673		1,063.1759	1,063.1759	0.0204	0.0195	1,069.4938

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	5.97427	0.0644	0.5506	0.2343	3.5100e-003		0.0445	0.0445		0.0445	0.0445		702.8547	702.8547	0.0135	0.0129	707.0314
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1.12671	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
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
Regional Shopping Center	0.163014	1.7600e-003	0.0160	0.0134	1.0000e-004		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		19.1781	19.1781	3.7000e-004	3.5000e-004	19.2921
Single Family Housing	1.773	0.0191	0.1634	0.0695	1.0400e-003		0.0132	0.0132		0.0132	0.0132		208.5887	208.5887	4.0000e-003	3.8200e-003	209.8282
Total		0.0975	0.8404	0.4100	5.3100e-003		0.0673	0.0673		0.0673	0.0673		1,063.1759	1,063.1759	0.0204	0.0195	1,069.4938

6.0 Area Detail

6.1 Mitigation Measures Area

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.9027	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981	0.0000	31.9519	31.9519	0.0309	0.0000	32.7231
Unmitigated	8.9027	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981	0.0000	31.9519	31.9519	0.0309	0.0000	32.7231

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	2.3057					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0601					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	0.5369	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981		31.9519	31.9519	0.0309		32.7231
Total	8.9027	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981	0.0000	31.9519	31.9519	0.0309	0.0000	32.7231

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.3057					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0601					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	0.5369	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981		31.9519	31.9519	0.0309		32.7231
Total	8.9027	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981	0.0000	31.9519	31.9519	0.0309	0.0000	32.7231

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

San Luis Ranch Project - 2019 Start
San Luis Obispo County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	0.63	25,000.00	0
Parking Lot	1.90	Acre	1.90	82,764.00	0
Parking Lot	1.80	Acre	1.80	78,408.00	0
Parking Lot	0.70	Acre	0.70	30,492.00	0
City Park	5.80	Acre	5.80	252,648.00	0
Apartments Mid Rise	197.00	Dwelling Unit	7.20	197,000.00	563
Single Family Housing	18.00	Dwelling Unit	9.10	32,400.00	51
Regional Shopping Center	25.00	1000sqft	0.57	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 1, 2, 3, 5, and 6; and Dalidio improvements.

Construction Phase - No demolition in phases 1, 2, 4, 5 and 6. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition - Building sf estimated using Google Earth

Grading - Total import proportionally distributed by phase acreage.

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Energy Mitigation - Per Specific Plan, appliances will be energy efficient.

Water Mitigation - Total outdoor water use for these land uses = 20.7 Mgal, with park at 6.9 Mgal; Park using reclaimed = 33% of total.

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	NumDays	35.00	220.00
tblConstructionPhase	PhaseEndDate	1/10/2022	3/8/2021
tblConstructionPhase	PhaseStartDate	3/9/2021	5/5/2020
tblGrading	MaterialImported	0.00	84,320.00
tblLandUse	LotAcreage	0.57	0.63
tblLandUse	LotAcreage	5.18	7.20
tblLandUse	LotAcreage	5.84	9.10
tblProjectCharacteristics	OperationalYear	2018	2022
tblVehicleTrips	ST_TR	6.39	5.29
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.46	2.68
tblVehicleTrips	ST_TR	49.97	10.38
tblVehicleTrips	ST_TR	9.91	5.29
tblVehicleTrips	SU_TR	5.86	4.61
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.05	1.14
tblVehicleTrips	SU_TR	25.24	5.24
tblVehicleTrips	SU_TR	8.62	4.61
tblVehicleTrips	WD_TR	6.65	5.09
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	12.00
tblVehicleTrips	WD_TR	42.70	8.87
tblVehicleTrips	WD_TR	9.52	5.09

2.0 Emissions Summary

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	7.2923	135.8726	52.6197	0.2485	18.2442	2.8795	20.6358	9.9779	2.6674	12.1781	0.0000	26,192.19 57	26,192.19 57	3.1081	0.0000	26,269.89 72
2020	43.0670	33.2546	36.6823	0.0875	4.6448	1.3147	5.9595	1.2429	1.2433	2.4862	0.0000	8,708.382 1	8,708.382 1	0.9046	0.0000	8,730.996 9
2021	42.6170	30.2492	34.6315	0.0861	4.6449	1.1077	5.7526	1.2429	1.0471	2.2900	0.0000	8,568.733 4	8,568.733 4	0.8782	0.0000	8,590.687 8
Maximum	43.0670	135.8726	52.6197	0.2485	18.2442	2.8795	20.6358	9.9779	2.6674	12.1781	0.0000	26,192.19 57	26,192.19 57	3.1081	0.0000	26,269.89 72

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					
2019	7.2923	135.8726	52.6197	0.2485	18.2442	2.8795	20.6358	9.9779	2.6674	12.1781	0.0000	26,192.19 57	26,192.19 57	3.1081	0.0000	26,269.89 72
2020	43.0670	33.2546	36.6823	0.0875	4.6448	1.3147	5.9595	1.2429	1.2433	2.4862	0.0000	8,708.382 1	8,708.382 1	0.9046	0.0000	8,730.996 9
2021	42.6170	30.2492	34.6315	0.0861	4.6449	1.1077	5.7526	1.2429	1.0471	2.2900	0.0000	8,568.733 4	8,568.733 4	0.8782	0.0000	8,590.687 8
Maximum	43.0670	135.8726	52.6197	0.2485	18.2442	2.8795	20.6358	9.9779	2.6674	12.1781	0.0000	26,192.19 57	26,192.19 57	3.1081	0.0000	26,269.89 72

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.9027	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981	0.0000	31.9519	31.9519	0.0309	0.0000	32.7231
Energy	0.0975	0.8404	0.4100	5.3200e-003		0.0673	0.0673		0.0673	0.0673		1,063.1759	1,063.1759	0.0204	0.0195	1,069.4938
Mobile	2.8125	11.6344	31.3934	0.0883	8.3620	0.0925	8.4545	2.2338	0.0868	2.3207		8,911.1736	8,911.1736	0.3636		8,920.2625
Total	11.8126	12.6797	49.5664	0.0946	8.3620	0.2580	8.6200	2.2338	0.2523	2.4861	0.0000	10,006.3014	10,006.3014	0.4148	0.0195	10,022.4795

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	8.9027	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981	0.0000	31.9519	31.9519	0.0309	0.0000	32.7231
Energy	0.0975	0.8404	0.4100	5.3200e-003		0.0673	0.0673		0.0673	0.0673		1,063.1759	1,063.1759	0.0204	0.0195	1,069.4938
Mobile	2.8125	11.6344	31.3934	0.0883	8.3620	0.0925	8.4545	2.2338	0.0868	2.3207		8,911.1736	8,911.1736	0.3636		8,920.2625
Total	11.8126	12.6797	49.5664	0.0946	8.3620	0.2580	8.6200	2.2338	0.2523	2.4861	0.0000	10,006.3014	10,006.3014	0.4148	0.0195	10,022.4795

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2019	2/11/2019	5	30	
2	Site Preparation	Site Preparation	2/12/2019	3/11/2019	5	20	
3	Grading	Grading	3/12/2019	5/13/2019	5	45	
4	Building Construction	Building Construction	5/14/2019	1/18/2021	5	440	
5	Paving	Paving	1/19/2021	3/8/2021	5	35	
6	Architectural Coating	Architectural Coating	5/5/2020	3/8/2021	5	220	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 4.4

Residential Indoor: 464,535; Residential Outdoor: 154,845; Non-Residential Indoor: 75,000; Non-Residential Outdoor: 25,000; Striped Parking Area: 11,500 (Architectural Coating – sqft)

OffRoad Equipment

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	80.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	10,540.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	351.00	104.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	70.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5952	0.0000	0.5952	0.0901	0.0000	0.0901			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	0.5952	1.7949	2.3901	0.0901	1.6697	1.7598		3,816.8994	3,816.8994	1.0618		3,843.4451

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0279	0.9252	0.2101	2.1000e-003	0.0465	5.6400e-003	0.0522	0.0127	5.4000e-003	0.0181		226.2288	226.2288	0.0132		226.5585
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0802	0.0690	0.5896	1.3700e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		136.3132	136.3132	5.1200e-003		136.4411
Total	0.1080	0.9942	0.7997	3.4700e-003	0.1948	6.6200e-003	0.2014	0.0521	6.3100e-003	0.0584		362.5420	362.5420	0.0183		362.9997

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5952	0.0000	0.5952	0.0901	0.0000	0.0901			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	0.5952	1.7949	2.3901	0.0901	1.6697	1.7598	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0279	0.9252	0.2101	2.1000e-003	0.0465	5.6400e-003	0.0522	0.0127	5.4000e-003	0.0181		226.2288	226.2288	0.0132		226.5585
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0802	0.0690	0.5896	1.3700e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		136.3132	136.3132	5.1200e-003		136.4411
Total	0.1080	0.9942	0.7997	3.4700e-003	0.1948	6.6200e-003	0.2014	0.0521	6.3100e-003	0.0584		362.5420	362.5420	0.0183		362.9997

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	18.0663	2.3904	20.4566	9.9307	2.1991	12.1298		3,766.4529	3,766.4529	1.1917		3,796.2445

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0962	0.0828	0.7075	1.6400e-003	0.1780	1.1800e-003	0.1791	0.0472	1.0900e-003	0.0483		163.5759	163.5759	6.1400e-003		163.7294
Total	0.0962	0.0828	0.7075	1.6400e-003	0.1780	1.1800e-003	0.1791	0.0472	1.0900e-003	0.0483		163.5759	163.5759	6.1400e-003		163.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	18.0663	2.3904	20.4566	9.9307	2.1991	12.1298	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.3 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0962	0.0828	0.7075	1.6400e-003	0.1780	1.1800e-003	0.1791	0.0472	1.0900e-003	0.0483		163.5759	163.5759	6.1400e-003		163.7294
Total	0.0962	0.0828	0.7075	1.6400e-003	0.1780	1.1800e-003	0.1791	0.0472	1.0900e-003	0.0483		163.5759	163.5759	6.1400e-003		163.7294

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.0182	0.0000	9.0182	3.6487	0.0000	3.6487			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
Total	4.7389	54.5202	33.3768	0.0620	9.0182	2.3827	11.4009	3.6487	2.1920	5.8408		6,140.0195	6,140.0195	1.9426		6,188.5854

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.4 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.4465	81.2605	18.4568	0.1847	4.0853	0.4956	4.5809	1.1190	0.4741	1.5931		19,870.4253	19,870.4253	1.1586		19,899.3903
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1069	0.0920	0.7861	1.8300e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2100e-003	0.0537		181.7510	181.7510	6.8200e-003		181.9215
Total	2.5534	81.3525	19.2430	0.1865	4.2831	0.4969	4.7799	1.1714	0.4753	1.6468		20,052.1762	20,052.1762	1.1654		20,081.3118

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.0182	0.0000	9.0182	3.6487	0.0000	3.6487			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854
Total	4.7389	54.5202	33.3768	0.0620	9.0182	2.3827	11.4009	3.6487	2.1920	5.8408	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.4 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.4465	81.2605	18.4568	0.1847	4.0853	0.4956	4.5809	1.1190	0.4741	1.5931		19,870.4253	19,870.4253	1.1586		19,899.3903
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1069	0.0920	0.7861	1.8300e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2100e-003	0.0537		181.7510	181.7510	6.8200e-003		181.9215
Total	2.5534	81.3525	19.2430	0.1865	4.2831	0.4969	4.7799	1.1714	0.4753	1.6468		20,052.1762	20,052.1762	1.1654		20,081.3118

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5006	11.7028	3.9284	0.0204	0.4827	0.0965	0.5791	0.1390	0.0923	0.2313		2,170.703 3	2,170.703 3	0.1468		2,174.374 3
Worker	1.8759	1.6142	13.7967	0.0321	3.4700	0.0229	3.4930	0.9203	0.0212	0.9415		3,189.729 4	3,189.729 4	0.1197		3,192.722 7
Total	2.3764	13.3171	17.7251	0.0525	3.9527	0.1194	4.0721	1.0593	0.1135	1.1728		5,360.432 7	5,360.432 7	0.2666		5,367.097 0

Mitigated Construction On-Site

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

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5006	11.7028	3.9284	0.0204	0.4827	0.0965	0.5791	0.1390	0.0923	0.2313		2,170.703 3	2,170.703 3	0.1468		2,174.374 3
Worker	1.8759	1.6142	13.7967	0.0321	3.4700	0.0229	3.4930	0.9203	0.0212	0.9415		3,189.729 4	3,189.729 4	0.1197		3,192.722 7
Total	2.3764	13.3171	17.7251	0.0525	3.9527	0.1194	4.0721	1.0593	0.1135	1.1728		5,360.432 7	5,360.432 7	0.2666		5,367.097 0

3.5 Building Construction - 2020

Unmitigated Construction On-Site

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

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3988	10.6799	3.4634	0.0204	0.4828	0.0601	0.5429	0.1390	0.0575	0.1965		2,166.4306	2,166.4306	0.1374		2,169.8644
Worker	1.7113	1.4214	12.1216	0.0311	3.4700	0.0222	3.4922	0.9203	0.0205	0.9408		3,091.0014	3,091.0014	0.1022		3,093.5566
Total	2.1102	12.1013	15.5850	0.0514	3.9528	0.0823	4.0351	1.0594	0.0780	1.1373		5,257.4320	5,257.4320	0.2396		5,263.4210

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3988	10.6799	3.4634	0.0204	0.4828	0.0601	0.5429	0.1390	0.0575	0.1965		2,166.4306	2,166.4306	0.1374		2,169.8644
Worker	1.7113	1.4214	12.1216	0.0311	3.4700	0.0222	3.4922	0.9203	0.0205	0.9408		3,091.0014	3,091.0014	0.1022		3,093.5566
Total	2.1102	12.1013	15.5850	0.0514	3.9528	0.0823	4.0351	1.0594	0.0780	1.1373		5,257.4320	5,257.4320	0.2396		5,263.4210

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

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, 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	0.3282	9.7659	3.0712	0.0202	0.4829	0.0292	0.5121	0.1391	0.0279	0.1670		2,152.8370	2,152.8370	0.1340		2,156.1872
Worker	1.5970	1.2709	10.9781	0.0300	3.4700	0.0215	3.4915	0.9203	0.0198	0.9401		2,985.6548	2,985.6548	0.0907		2,987.9233
Total	1.9252	11.0368	14.0493	0.0502	3.9529	0.0507	4.0036	1.0594	0.0478	1.1071		5,138.4917	5,138.4917	0.2248		5,144.1105

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, 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	0.3282	9.7659	3.0712	0.0202	0.4829	0.0292	0.5121	0.1391	0.0279	0.1670		2,152.8370	2,152.8370	0.1340		2,156.1872
Worker	1.5970	1.2709	10.9781	0.0300	3.4700	0.0215	3.4915	0.9203	0.0198	0.9401		2,985.6548	2,985.6548	0.0907		2,987.9233
Total	1.9252	11.0368	14.0493	0.0502	3.9529	0.0507	4.0036	1.0594	0.0478	1.1071		5,138.4917	5,138.4917	0.2248		5,144.1105

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3294					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5849	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0683	0.0543	0.4692	1.2800e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		127.5921	127.5921	3.8800e-003		127.6890
Total	0.0683	0.0543	0.4692	1.2800e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		127.5921	127.5921	3.8800e-003		127.6890

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3294					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5849	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0683	0.0543	0.4692	1.2800e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		127.5921	127.5921	3.8800e-003		127.6890
Total	0.0683	0.0543	0.4692	1.2800e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		127.5921	127.5921	3.8800e-003		127.6890

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.2535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	38.4957	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3413	0.2835	2.4174	6.1900e-003	0.6920	4.4300e-003	0.6965	0.1835	4.0800e-003	0.1876		616.4390	616.4390	0.0204		616.9486
Total	0.3413	0.2835	2.4174	6.1900e-003	0.6920	4.4300e-003	0.6965	0.1835	4.0800e-003	0.1876		616.4390	616.4390	0.0204		616.9486

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	38.2535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	38.4957	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.7 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3413	0.2835	2.4174	6.1900e-003	0.6920	4.4300e-003	0.6965	0.1835	4.0800e-003	0.1876		616.4390	616.4390	0.0204		616.9486
Total	0.3413	0.2835	2.4174	6.1900e-003	0.6920	4.4300e-003	0.6965	0.1835	4.0800e-003	0.1876		616.4390	616.4390	0.0204		616.9486

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.2535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	38.4724	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3185	0.2535	2.1894	5.9800e-003	0.6920	4.2900e-003	0.6963	0.1835	3.9500e-003	0.1875		595.4297	595.4297	0.0181		595.8821
Total	0.3185	0.2535	2.1894	5.9800e-003	0.6920	4.2900e-003	0.6963	0.1835	3.9500e-003	0.1875		595.4297	595.4297	0.0181		595.8821

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	38.2535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	38.4724	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3185	0.2535	2.1894	5.9800e-003	0.6920	4.2900e-003	0.6963	0.1835	3.9500e-003	0.1875		595.4297	595.4297	0.0181		595.8821
Total	0.3185	0.2535	2.1894	5.9800e-003	0.6920	4.2900e-003	0.6963	0.1835	3.9500e-003	0.1875		595.4297	595.4297	0.0181		595.8821

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.8125	11.6344	31.3934	0.0883	8.3620	0.0925	8.4545	2.2338	0.0868	2.3207		8,911.1736	8,911.1736	0.3636		8,920.2625
Unmitigated	2.8125	11.6344	31.3934	0.0883	8.3620	0.0925	8.4545	2.2338	0.0868	2.3207		8,911.1736	8,911.1736	0.3636		8,920.2625

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,002.73	1,042.13	908.17	2,528,468	2,528,468
City Park	0.00	0.00	0.00		
General Office Building	300.00	67.00	28.50	518,513	518,513
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	221.75	259.50	131.00	309,253	309,253
Single Family Housing	91.62	95.22	82.98	231,028	231,028
Total	1,616.10	1,463.85	1,150.65	3,587,261	3,587,261

4.3 Trip Type Information

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
City Park	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Apartments Mid Rise	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Single Family Housing	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Regional Shopping Center	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0975	0.8404	0.4100	5.3200e-003		0.0673	0.0673		0.0673	0.0673		1,063.1759	1,063.1759	0.0204	0.0195	1,069.4938
NaturalGas Unmitigated	0.0975	0.8404	0.4100	5.3200e-003		0.0673	0.0673		0.0673	0.0673		1,063.1759	1,063.1759	0.0204	0.0195	1,069.4938

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	5974.27	0.0644	0.5506	0.2343	3.5100e-003		0.0445	0.0445		0.0445	0.0445		702.8547	702.8547	0.0135	0.0129	707.0314
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1126.71	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
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
Regional Shopping Center	163.014	1.7600e-003	0.0160	0.0134	1.0000e-004		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		19.1781	19.1781	3.7000e-004	3.5000e-004	19.2921
Single Family Housing	1773	0.0191	0.1634	0.0695	1.0400e-003		0.0132	0.0132		0.0132	0.0132		208.5887	208.5887	4.0000e-003	3.8200e-003	209.8282
Total		0.0975	0.8404	0.4100	5.3100e-003		0.0673	0.0673		0.0673	0.0673		1,063.1759	1,063.1759	0.0204	0.0195	1,069.4938

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	5.97427	0.0644	0.5506	0.2343	3.5100e-003		0.0445	0.0445		0.0445	0.0445		702.8547	702.8547	0.0135	0.0129	707.0314
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1.12671	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
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
Regional Shopping Center	0.163014	1.7600e-003	0.0160	0.0134	1.0000e-004		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		19.1781	19.1781	3.7000e-004	3.5000e-004	19.2921
Single Family Housing	1.773	0.0191	0.1634	0.0695	1.0400e-003		0.0132	0.0132		0.0132	0.0132		208.5887	208.5887	4.0000e-003	3.8200e-003	209.8282
Total		0.0975	0.8404	0.4100	5.3100e-003		0.0673	0.0673		0.0673	0.0673		1,063.1759	1,063.1759	0.0204	0.0195	1,069.4938

6.0 Area Detail

6.1 Mitigation Measures Area

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.9027	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981	0.0000	31.9519	31.9519	0.0309	0.0000	32.7231
Unmitigated	8.9027	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981	0.0000	31.9519	31.9519	0.0309	0.0000	32.7231

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	2.3057					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0601					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	0.5369	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981		31.9519	31.9519	0.0309		32.7231
Total	8.9027	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981	0.0000	31.9519	31.9519	0.0309	0.0000	32.7231

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.3057					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0601					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	0.5369	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981		31.9519	31.9519	0.0309		32.7231
Total	8.9027	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981	0.0000	31.9519	31.9519	0.0309	0.0000	32.7231

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summary Report

San Luis Ranch Project - 2019 Start
San Luis Obispo County APCD, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	0.63	25,000.00	0
Parking Lot	1.90	Acre	1.90	82,764.00	0
Parking Lot	1.80	Acre	1.80	78,408.00	0
Parking Lot	0.70	Acre	0.70	30,492.00	0
City Park	5.80	Acre	5.80	252,648.00	0
Apartments Mid Rise	197.00	Dwelling Unit	7.20	197,000.00	563
Single Family Housing	18.00	Dwelling Unit	9.10	32,400.00	51
Regional Shopping Center	25.00	1000sqft	0.57	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summary Report

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 1, 2, 3, 5, and 6; and Dalidio improvements.

Construction Phase - No demolition in phases 1, 2, 4, 5 and 6. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition - Building sf estimated using Google Earth

Grading - Total import proportionally distributed by phase acreage.

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Energy Mitigation - Per Specific Plan, appliances will be energy efficient.

Water Mitigation - Total outdoor water use for these land uses = 20.7 Mgal, with park at 6.9 Mgal; Park using reclaimed = 33% of total.

2.0 Peak Daily Emissions

Peak Daily Construction Emissions

Peak Daily Construction Emissions

San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summary Report

Year	Phase	Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
		lb/day											
2019	Demolition	3.6214 W	36.7771 W	22.8602 S	0.0424 S	2.5915 W	1.8182 W	3.6214 W	36.7771 W	22.8602 S	0.0424 S	2.5915 W	1.8182 W
2019	Site Preparation	4.4312 W	45.6555 W	22.7864 S	0.0397 S	20.6358 S	12.1781 S	4.4312 W	45.6555 W	22.7864 S	0.0397 S	20.6358 S	12.1781 S
2019	Grading	7.2923 W	135.8726 W	52.6197 W	0.2512 S	16.1808 W	7.4875 W	7.2923 W	135.8726 W	52.6197 W	0.2512 S	16.1808 W	7.4875 W
2019	Building Construction	4.7376 W	34.3959 W	34.8889 W	0.0816 S	5.3620 W	2.3855 W	4.7376 W	34.3959 W	34.8889 W	0.0816 S	5.3620 W	2.3855 W
2020	Building Construction	4.2300 W	31.2873 W	32.4335 W	0.0805 S	5.1521 W	2.1877 W	4.2300 W	31.2873 W	32.4335 W	0.0805 S	5.1521 W	2.1877 W
2021	Building Construction	3.8261 W	28.4689 W	30.6245 W	0.0792 S	4.9622 W	2.0084 W	3.8261 W	28.4689 W	30.6245 W	0.0792 S	4.9622 W	2.0084 W
2021	Paving	1.6532 W	12.9734 W	15.1368 S	0.0241 S	0.8269 S	0.6637 S	1.6532 W	12.9734 W	15.1368 S	0.0241 S	0.8269 S	0.6637 S
2020	Architectural Coating	38.8370 W	1.9673 W	4.3162 S	9.4700e-003 S	0.8074 S	0.2986 S	38.8370 W	1.9673 W	4.3162 S	9.4700e-003 S	0.8074 S	0.2986 S
2021	Architectural Coating	38.7909 W	1.7803 W	4.0740 S	9.2400e-003 S	0.7904 S	0.2816 S	38.7909 W	1.7803 W	4.0740 S	9.2400e-003 S	0.7904 S	0.2816 S
	Peak Daily Total	38.8370 W	135.8726 W	52.6197 W	0.2512 S	20.6358 S	12.1781 S	38.8370 W	135.8726 W	52.6197 W	0.2512 S	20.6358 S	12.1781 S
	Air District Threshold												
	Exceed Significance?												

Peak Daily Operational Emissions**Peak Daily Operational Emissions**

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

San Luis Ranch Project - 2020 Start
San Luis Obispo County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	1.30	25,000.00	0
Parking Lot	0.60	Acre	0.60	26,136.00	0
Parking Lot	1.80	Acre	1.80	78,408.00	0
City Park	2.70	Acre	2.70	117,612.00	0
Apartments Mid Rise	83.00	Dwelling Unit	4.00	83,000.00	237
Regional Shopping Center	25.00	1000sqft	0.57	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 3, 5, and 6. Ag SF from Sect 3.9 of Specific Plan.

Construction Phase - No demolition. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition - Building sf estimated using Google Earth

Grading - Total import proportionally distributed by phase acreage.

Architectural Coating -

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Woodstoves -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Energy Mitigation - Per Specific Plan, appliances will be energy efficient.

Water Mitigation -

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	NumDays	20.00	150.00
tblGrading	MaterialImported	0.00	29,760.00
tblLandUse	BuildingSpaceSquareFeet	0.00	117,612.00
tblLandUse	GreenSpaceSquareFeet	117,612.00	0.00
tblLandUse	LotAcreage	0.57	1.30
tblLandUse	LotAcreage	2.18	4.00
tblProjectCharacteristics	OperationalYear	2018	2022
tblVehicleTrips	ST_TR	6.39	5.29
tblVehicleTrips	ST_TR	2.46	2.68
tblVehicleTrips	ST_TR	49.97	10.38
tblVehicleTrips	SU_TR	5.86	4.61
tblVehicleTrips	SU_TR	1.05	1.14
tblVehicleTrips	SU_TR	25.24	5.24
tblVehicleTrips	WD_TR	6.65	5.09
tblVehicleTrips	WD_TR	1.89	44.44
tblVehicleTrips	WD_TR	11.03	12.00
tblVehicleTrips	WD_TR	42.70	8.87

2.0 Emissions Summary

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2020	3-31-2020	2.0187	2.0187
2	4-1-2020	6-30-2020	0.9195	0.9195
3	7-1-2020	9-30-2020	0.9296	0.9296
4	10-1-2020	12-31-2020	2.1110	2.1110
5	1-1-2021	3-31-2021	2.2944	2.2944
6	4-1-2021	6-30-2021	1.1094	1.1094
		Highest	2.2944	2.2944

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	1.3460	0.0131	1.1320	6.0000e-005		6.2500e-003	6.2500e-003		6.2500e-003	6.2500e-003	0.0000	1.8474	1.8474	1.7900e-003	0.0000	1.8920
Energy	7.4900e-003	0.0654	0.0374	4.1000e-004		5.1800e-003	5.1800e-003		5.1800e-003	5.1800e-003	0.0000	419.5645	419.5645	0.0170	4.5900e-003	421.3586
Mobile	0.2782	1.1554	3.0354	8.6400e-003	0.7880	8.9600e-003	0.7969	0.2110	8.4100e-003	0.2194	0.0000	791.3005	791.3005	0.0320	0.0000	792.1015
Waste						0.0000	0.0000		0.0000	0.0000	17.8449	0.0000	17.8449	1.0546	0.0000	44.2101
Water						0.0000	0.0000		0.0000	0.0000	3.7128	29.0972	32.8100	0.3827	9.2800e-003	45.1408
Total	1.6317	1.2339	4.2048	9.1100e-003	0.7880	0.0204	0.8084	0.2110	0.0198	0.2308	21.5577	1,241.8096	1,263.3673	1.4881	0.0139	1,304.7030

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, 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	1.3460	0.0131	1.1320	6.0000e-005		6.2500e-003	6.2500e-003		6.2500e-003	6.2500e-003	0.0000	1.8474	1.8474	1.7900e-003	0.0000	1.8920
Energy	7.4900e-003	0.0654	0.0374	4.1000e-004		5.1800e-003	5.1800e-003		5.1800e-003	5.1800e-003	0.0000	417.0013	417.0013	0.0169	4.5700e-003	418.7853
Mobile	0.2782	1.1554	3.0354	8.6400e-003	0.7880	8.9600e-003	0.7969	0.2110	8.4100e-003	0.2194	0.0000	791.3005	791.3005	0.0320	0.0000	792.1015
Waste						0.0000	0.0000		0.0000	0.0000	17.8449	0.0000	17.8449	1.0546	0.0000	44.2101
Water						0.0000	0.0000		0.0000	0.0000	3.7128	29.0972	32.8100	0.3827	9.2800e-003	45.1408
Total	1.6317	1.2339	4.2048	9.1100e-003	0.7880	0.0204	0.8084	0.2110	0.0198	0.2308	21.5577	1,239.2463	1,260.8041	1.4880	0.0139	1,302.1297

	ROG	NOx	CO	SO2	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	0.21	0.20	0.01	0.14	0.20

3.0 Construction Detail

Construction Phase

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2020	1/14/2020	5	10	
2	Grading	Grading	1/15/2020	2/25/2020	5	30	
3	Building Construction	Building Construction	2/26/2020	4/20/2021	5	300	
4	Architectural Coating	Architectural Coating	10/21/2020	5/18/2021	5	150	
5	Paving	Paving	4/21/2021	5/18/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 2.4

Residential Indoor: 168,075; Residential Outdoor: 56,025; Non-Residential Indoor: 251,418; Non-Residential Outdoor: 83,806; Striped Parking Area: 6,273 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	3,720.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	169.00	53.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	34.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2121	0.1076	1.9000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
Total	0.0204	0.2121	0.1076	1.9000e-004	0.0903	0.0110	0.1013	0.0497	0.0101	0.0598	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	3.9000e-004	3.6000e-004	3.1000e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7249	0.7249	2.0000e-005	0.0000	0.7255
Total	3.9000e-004	3.6000e-004	3.1000e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7249	0.7249	2.0000e-005	0.0000	0.7255

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3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2121	0.1076	1.9000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
Total	0.0204	0.2121	0.1076	1.9000e-004	0.0903	0.0110	0.1013	0.0497	0.0101	0.0598	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	3.9000e-004	3.6000e-004	3.1000e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7249	0.7249	2.0000e-005	0.0000	0.7255
Total	3.9000e-004	3.6000e-004	3.1000e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7249	0.7249	2.0000e-005	0.0000	0.7255

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3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1328	0.0000	0.1328	0.0544	0.0000	0.0544	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0668	0.7530	0.4794	9.3000e-004		0.0326	0.0326		0.0300	0.0300	0.0000	81.7264	81.7264	0.0264	0.0000	82.3872
Total	0.0668	0.7530	0.4794	9.3000e-004	0.1328	0.0326	0.1655	0.0544	0.0300	0.0844	0.0000	81.7264	81.7264	0.0264	0.0000	82.3872

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0162	0.5983	0.1300	1.4600e-003	0.0317	2.6100e-003	0.0343	8.7100e-003	2.4900e-003	0.0112	0.0000	143.0784	143.0784	8.1100e-003	0.0000	143.2811
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3100e-003	1.1900e-003	0.0103	3.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.4162	2.4162	8.0000e-005	0.0000	2.4182
Total	0.0175	0.5994	0.1403	1.4900e-003	0.0346	2.6300e-003	0.0372	9.4800e-003	2.5100e-003	0.0120	0.0000	145.4946	145.4946	8.1900e-003	0.0000	145.6993

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3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1328	0.0000	0.1328	0.0544	0.0000	0.0544	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0668	0.7530	0.4794	9.3000e-004		0.0326	0.0326		0.0300	0.0300	0.0000	81.7263	81.7263	0.0264	0.0000	82.3871
Total	0.0668	0.7530	0.4794	9.3000e-004	0.1328	0.0326	0.1655	0.0544	0.0300	0.0844	0.0000	81.7263	81.7263	0.0264	0.0000	82.3871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0162	0.5983	0.1300	1.4600e-003	0.0317	2.6100e-003	0.0343	8.7100e-003	2.4900e-003	0.0112	0.0000	143.0784	143.0784	8.1100e-003	0.0000	143.2811
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3100e-003	1.1900e-003	0.0103	3.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.4162	2.4162	8.0000e-005	0.0000	2.4182
Total	0.0175	0.5994	0.1403	1.4900e-003	0.0346	2.6300e-003	0.0372	9.4800e-003	2.5100e-003	0.0120	0.0000	145.4946	145.4946	8.1900e-003	0.0000	145.6993

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3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2353	2.1297	1.8702	2.9900e-003		0.1240	0.1240		0.1166	0.1166	0.0000	257.0871	257.0871	0.0627	0.0000	258.6551
Total	0.2353	2.1297	1.8702	2.9900e-003		0.1240	0.1240		0.1166	0.1166	0.0000	257.0871	257.0871	0.0627	0.0000	258.6551

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0219	0.6124	0.1855	1.1700e-003	0.0267	3.3400e-003	0.0301	7.7200e-003	3.1900e-003	0.0109	0.0000	113.1821	113.1821	6.8100e-003	0.0000	113.3523
Worker	0.0820	0.0745	0.6452	1.6700e-003	0.1806	1.1900e-003	0.1818	0.0480	1.0900e-003	0.0491	0.0000	151.0865	151.0865	4.9700e-003	0.0000	151.2109
Total	0.1039	0.6869	0.8308	2.8400e-003	0.2073	4.5300e-003	0.2118	0.0557	4.2800e-003	0.0600	0.0000	264.2686	264.2686	0.0118	0.0000	264.5632

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3.4 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2353	2.1297	1.8702	2.9900e-003		0.1240	0.1240		0.1166	0.1166	0.0000	257.0868	257.0868	0.0627	0.0000	258.6548
Total	0.2353	2.1297	1.8702	2.9900e-003		0.1240	0.1240		0.1166	0.1166	0.0000	257.0868	257.0868	0.0627	0.0000	258.6548

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0219	0.6124	0.1855	1.1700e-003	0.0267	3.3400e-003	0.0301	7.7200e-003	3.1900e-003	0.0109	0.0000	113.1821	113.1821	6.8100e-003	0.0000	113.3523
Worker	0.0820	0.0745	0.6452	1.6700e-003	0.1806	1.1900e-003	0.1818	0.0480	1.0900e-003	0.0491	0.0000	151.0865	151.0865	4.9700e-003	0.0000	151.2109
Total	0.1039	0.6869	0.8308	2.8400e-003	0.2073	4.5300e-003	0.2118	0.0557	4.2800e-003	0.0600	0.0000	264.2686	264.2686	0.0118	0.0000	264.5632

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3.4 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	0.0741	0.6799	0.6464	1.0500e-003		0.0374	0.0374		0.0352	0.0352	0.0000	90.3385	90.3385	0.0218	0.0000	90.8834
Total	0.0741	0.6799	0.6464	1.0500e-003		0.0374	0.0374		0.0352	0.0352	0.0000	90.3385	90.3385	0.0218	0.0000	90.8834

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	6.3000e-003	0.1968	0.0577	4.1000e-004	9.3900e-003	5.6000e-004	9.9500e-003	2.7100e-003	5.4000e-004	3.2500e-003	0.0000	39.5283	39.5283	2.3300e-003	0.0000	39.5866
Worker	0.0269	0.0234	0.2055	5.7000e-004	0.0635	4.0000e-004	0.0639	0.0169	3.7000e-004	0.0172	0.0000	51.2753	51.2753	1.5500e-003	0.0000	51.3141
Total	0.0332	0.2202	0.2631	9.8000e-004	0.0728	9.6000e-004	0.0738	0.0196	9.1000e-004	0.0205	0.0000	90.8036	90.8036	3.8800e-003	0.0000	90.9007

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3.4 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0741	0.6799	0.6464	1.0500e-003		0.0374	0.0374		0.0352	0.0352	0.0000	90.3384	90.3384	0.0218	0.0000	90.8833
Total	0.0741	0.6799	0.6464	1.0500e-003		0.0374	0.0374		0.0352	0.0352	0.0000	90.3384	90.3384	0.0218	0.0000	90.8833

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	6.3000e-003	0.1968	0.0577	4.1000e-004	9.3900e-003	5.6000e-004	9.9500e-003	2.7100e-003	5.4000e-004	3.2500e-003	0.0000	39.5283	39.5283	2.3300e-003	0.0000	39.5866
Worker	0.0269	0.0234	0.2055	5.7000e-004	0.0635	4.0000e-004	0.0639	0.0169	3.7000e-004	0.0172	0.0000	51.2753	51.2753	1.5500e-003	0.0000	51.3141
Total	0.0332	0.2202	0.2631	9.8000e-004	0.0728	9.6000e-004	0.0738	0.0196	9.1000e-004	0.0205	0.0000	90.8036	90.8036	3.8800e-003	0.0000	90.9007

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3.5 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1310					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3000e-003	0.0438	0.0476	8.0000e-005		2.8800e-003	2.8800e-003		2.8800e-003	2.8800e-003	0.0000	6.6385	6.6385	5.1000e-004	0.0000	6.6513
Total	1.1373	0.0438	0.0476	8.0000e-005		2.8800e-003	2.8800e-003		2.8800e-003	2.8800e-003	0.0000	6.6385	6.6385	5.1000e-004	0.0000	6.6513

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	3.8700e-003	3.5100e-003	0.0304	8.0000e-005	8.5100e-003	6.0000e-005	8.5700e-003	2.2600e-003	5.0000e-005	2.3100e-003	0.0000	7.1198	7.1198	2.3000e-004	0.0000	7.1257
Total	3.8700e-003	3.5100e-003	0.0304	8.0000e-005	8.5100e-003	6.0000e-005	8.5700e-003	2.2600e-003	5.0000e-005	2.3100e-003	0.0000	7.1198	7.1198	2.3000e-004	0.0000	7.1257

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3.5 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1310					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3000e-003	0.0438	0.0476	8.0000e-005		2.8800e-003	2.8800e-003		2.8800e-003	2.8800e-003	0.0000	6.6385	6.6385	5.1000e-004	0.0000	6.6513
Total	1.1373	0.0438	0.0476	8.0000e-005		2.8800e-003	2.8800e-003		2.8800e-003	2.8800e-003	0.0000	6.6385	6.6385	5.1000e-004	0.0000	6.6513

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	3.8700e-003	3.5100e-003	0.0304	8.0000e-005	8.5100e-003	6.0000e-005	8.5700e-003	2.2600e-003	5.0000e-005	2.3100e-003	0.0000	7.1198	7.1198	2.3000e-004	0.0000	7.1257
Total	3.8700e-003	3.5100e-003	0.0304	8.0000e-005	8.5100e-003	6.0000e-005	8.5700e-003	2.2600e-003	5.0000e-005	2.3100e-003	0.0000	7.1198	7.1198	2.3000e-004	0.0000	7.1257

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3.5 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.1314					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0107	0.0748	0.0891	1.5000e-004		4.6100e-003	4.6100e-003		4.6100e-003	4.6100e-003	0.0000	12.5109	12.5109	8.6000e-004	0.0000	12.5324
Total	2.1422	0.0748	0.0891	1.5000e-004		4.6100e-003	4.6100e-003		4.6100e-003	4.6100e-003	0.0000	12.5109	12.5109	8.6000e-004	0.0000	12.5324

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	6.7900e-003	5.9200e-003	0.0519	1.4000e-004	0.0160	1.0000e-004	0.0161	4.2600e-003	9.0000e-005	4.3600e-003	0.0000	12.9608	12.9608	3.9000e-004	0.0000	12.9706
Total	6.7900e-003	5.9200e-003	0.0519	1.4000e-004	0.0160	1.0000e-004	0.0161	4.2600e-003	9.0000e-005	4.3600e-003	0.0000	12.9608	12.9608	3.9000e-004	0.0000	12.9706

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3.5 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.1314					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0107	0.0748	0.0891	1.5000e-004		4.6100e-003	4.6100e-003		4.6100e-003	4.6100e-003	0.0000	12.5109	12.5109	8.6000e-004	0.0000	12.5324
Total	2.1422	0.0748	0.0891	1.5000e-004		4.6100e-003	4.6100e-003		4.6100e-003	4.6100e-003	0.0000	12.5109	12.5109	8.6000e-004	0.0000	12.5324

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	6.7900e-003	5.9200e-003	0.0519	1.4000e-004	0.0160	1.0000e-004	0.0161	4.2600e-003	9.0000e-005	4.3600e-003	0.0000	12.9608	12.9608	3.9000e-004	0.0000	12.9706
Total	6.7900e-003	5.9200e-003	0.0519	1.4000e-004	0.0160	1.0000e-004	0.0161	4.2600e-003	9.0000e-005	4.3600e-003	0.0000	12.9608	12.9608	3.9000e-004	0.0000	12.9706

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3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	3.1400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0157	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	6.1000e-004	5.3000e-004	4.6800e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1669	1.1669	4.0000e-005	0.0000	1.1678
Total	6.1000e-004	5.3000e-004	4.6800e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1669	1.1669	4.0000e-005	0.0000	1.1678

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3.6 Paving - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	3.1400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0157	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	6.1000e-004	5.3000e-004	4.6800e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1669	1.1669	4.0000e-005	0.0000	1.1678
Total	6.1000e-004	5.3000e-004	4.6800e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1669	1.1669	4.0000e-005	0.0000	1.1678

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2782	1.1554	3.0354	8.6400e-003	0.7880	8.9600e-003	0.7969	0.2110	8.4100e-003	0.2194	0.0000	791.3005	791.3005	0.0320	0.0000	792.1015
Unmitigated	0.2782	1.1554	3.0354	8.6400e-003	0.7880	8.9600e-003	0.7969	0.2110	8.4100e-003	0.2194	0.0000	791.3005	791.3005	0.0320	0.0000	792.1015

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	422.47	439.07	382.63	1,065,294	1,065,294
City Park	119.99	61.43	45.20	205,134	205,134
General Office Building	300.00	67.00	28.50	518,513	518,513
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	221.75	259.50	131.00	309,253	309,253
Total	1,064.21	827.00	587.33	2,098,193	2,098,193

4.3 Trip Type Information

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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 Mid Rise	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
City Park	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Apartments Mid Rise	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Regional Shopping Center	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	342.8532	342.8532	0.0155	3.2100e-003	344.1966
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	345.4164	345.4164	0.0156	3.2300e-003	346.7699
NaturalGas Mitigated	7.4900e-003	0.0654	0.0374	4.1000e-004		5.1800e-003	5.1800e-003		5.1800e-003	5.1800e-003	0.0000	74.1481	74.1481	1.4200e-003	1.3600e-003	74.5887
NaturalGas Unmitigated	7.4900e-003	0.0654	0.0374	4.1000e-004		5.1800e-003	5.1800e-003		5.1800e-003	5.1800e-003	0.0000	74.1481	74.1481	1.4200e-003	1.3600e-003	74.5887

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	918733	4.9500e-003	0.0423	0.0180	2.7000e-004		3.4200e-003	3.4200e-003		3.4200e-003	3.4200e-003	0.0000	49.0271	49.0271	9.4000e-004	9.0000e-004	49.3184
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	411250	2.2200e-003	0.0202	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.9459	21.9459	4.2000e-004	4.0000e-004	22.0763
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
Regional Shopping Center	59500	3.2000e-004	2.9200e-003	2.4500e-003	2.0000e-005		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.0000	3.1752	3.1752	6.0000e-005	6.0000e-005	3.1940
Total		7.4900e-003	0.0654	0.0374	4.1000e-004		5.1700e-003	5.1700e-003		5.1700e-003	5.1700e-003	0.0000	74.1481	74.1481	1.4200e-003	1.3600e-003	74.5887

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	918733	4.9500e-003	0.0423	0.0180	2.7000e-004		3.4200e-003	3.4200e-003		3.4200e-003	3.4200e-003	0.0000	49.0271	49.0271	9.4000e-004	9.0000e-004	49.3184
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	411250	2.2200e-003	0.0202	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.9459	21.9459	4.2000e-004	4.0000e-004	22.0763
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
Regional Shopping Center	59500	3.2000e-004	2.9200e-003	2.4500e-003	2.0000e-005		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.0000	3.1752	3.1752	6.0000e-005	6.0000e-005	3.1940
Total		7.4900e-003	0.0654	0.0374	4.1000e-004		5.1700e-003	5.1700e-003		5.1700e-003	5.1700e-003	0.0000	74.1481	74.1481	1.4200e-003	1.3600e-003	74.5887

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	366111	106.5058	4.8200e-003	1.0000e-003	106.9231
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	455500	132.5102	5.9900e-003	1.2400e-003	133.0294
Parking Lot	22999.7	6.6909	3.0000e-004	6.0000e-005	6.7171
Parking Lot	68999	20.0726	9.1000e-004	1.9000e-004	20.1513
Regional Shopping Center	273750	79.6370	3.6000e-003	7.5000e-004	79.9491
Total		345.4164	0.0156	3.2400e-003	346.7699

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	357299	103.9425	4.7000e-003	9.7000e-004	104.3498
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	455500	132.5102	5.9900e-003	1.2400e-003	133.0294
Parking Lot	22999.7	6.6909	3.0000e-004	6.0000e-005	6.7171
Parking Lot	68999	20.0726	9.1000e-004	1.9000e-004	20.1513
Regional Shopping Center	273750	79.6370	3.6000e-003	7.5000e-004	79.9491
Total		342.8532	0.0155	3.2100e-003	344.1966

6.0 Area Detail**6.1 Mitigation Measures Area**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.3460	0.0131	1.1320	6.0000e-005		6.2500e-003	6.2500e-003		6.2500e-003	6.2500e-003	0.0000	1.8474	1.8474	1.7900e-003	0.0000	1.8920
Unmitigated	1.3460	0.0131	1.1320	6.0000e-005		6.2500e-003	6.2500e-003		6.2500e-003	6.2500e-003	0.0000	1.8474	1.8474	1.7900e-003	0.0000	1.8920

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	0.3262					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9855					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	0.0343	0.0131	1.1320	6.0000e-005		6.2500e-003	6.2500e-003		6.2500e-003	6.2500e-003	0.0000	1.8474	1.8474	1.7900e-003	0.0000	1.8920
Total	1.3460	0.0131	1.1320	6.0000e-005		6.2500e-003	6.2500e-003		6.2500e-003	6.2500e-003	0.0000	1.8474	1.8474	1.7900e-003	0.0000	1.8920

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3262					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9855					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	0.0343	0.0131	1.1320	6.0000e-005		6.2500e-003	6.2500e-003		6.2500e-003	6.2500e-003	0.0000	1.8474	1.8474	1.7900e-003	0.0000	1.8920
Total	1.3460	0.0131	1.1320	6.0000e-005		6.2500e-003	6.2500e-003		6.2500e-003	6.2500e-003	0.0000	1.8474	1.8474	1.7900e-003	0.0000	1.8920

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	32.8100	0.3827	9.2800e-003	45.1408
Unmitigated	32.8100	0.3827	9.2800e-003	45.1408

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	5.40778 / 3.40926	13.6994	0.1768	4.2700e-003	19.3916
City Park	0 / 3.217	3.2755	1.5000e-004	3.0000e-005	3.2884
General Office Building	4.44334 / 2.72334	11.1769	0.1452	3.5100e-003	15.8536
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.85181 / 1.13498	4.6581	0.0605	1.4600e-003	6.6072
Total		32.8100	0.3827	9.2700e-003	45.1407

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	5.40778 / 3.40926	13.6994	0.1768	4.2700e-003	19.3916
City Park	0 / 3.217	3.2755	1.5000e-004	3.0000e-005	3.2884
General Office Building	4.44334 / 2.72334	11.1769	0.1452	3.5100e-003	15.8536
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.85181 / 1.13498	4.6581	0.0605	1.4600e-003	6.6072
Total		32.8100	0.3827	9.2700e-003	45.1407

8.0 Waste Detail

8.1 Mitigation Measures Waste

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	17.8449	1.0546	0.0000	44.2101
Unmitigated	17.8449	1.0546	0.0000	44.2101

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	38.18	7.7502	0.4580	0.0000	19.2008
City Park	0.23	0.0467	2.7600e-003	0.0000	0.1157
General Office Building	23.25	4.7195	0.2789	0.0000	11.6925
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	26.25	5.3285	0.3149	0.0000	13.2012
Total		17.8449	1.0546	0.0000	44.2101

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	38.18	7.7502	0.4580	0.0000	19.2008
City Park	0.23	0.0467	2.7600e-003	0.0000	0.1157
General Office Building	23.25	4.7195	0.2789	0.0000	11.6925
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	26.25	5.3285	0.3149	0.0000	13.2012
Total		17.8449	1.0546	0.0000	44.2101

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

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

11.0 Vegetation

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

San Luis Ranch Project - 2020 Start
San Luis Obispo County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	1.30	25,000.00	0
Parking Lot	0.60	Acre	0.60	26,136.00	0
Parking Lot	1.80	Acre	1.80	78,408.00	0
City Park	2.70	Acre	2.70	117,612.00	0
Apartments Mid Rise	83.00	Dwelling Unit	4.00	83,000.00	237
Regional Shopping Center	25.00	1000sqft	0.57	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 3, 5, and 6. Ag SF from Sect 3.9 of Specific Plan.

Construction Phase - No demolition. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition - Building sf estimated using Google Earth

Grading - Total import proportionally distributed by phase acreage.

Architectural Coating -

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Woodstoves -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Energy Mitigation - Per Specific Plan, appliances will be energy efficient.

Water Mitigation -

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	NumDays	20.00	150.00
tblGrading	MaterialImported	0.00	29,760.00
tblLandUse	BuildingSpaceSquareFeet	0.00	117,612.00
tblLandUse	GreenSpaceSquareFeet	117,612.00	0.00
tblLandUse	LotAcreage	0.57	1.30
tblLandUse	LotAcreage	2.18	4.00
tblProjectCharacteristics	OperationalYear	2018	2022
tblVehicleTrips	ST_TR	6.39	5.29
tblVehicleTrips	ST_TR	2.46	2.68
tblVehicleTrips	ST_TR	49.97	10.38
tblVehicleTrips	SU_TR	5.86	4.61
tblVehicleTrips	SU_TR	1.05	1.14
tblVehicleTrips	SU_TR	25.24	5.24
tblVehicleTrips	WD_TR	6.65	5.09
tblVehicleTrips	WD_TR	1.89	44.44
tblVehicleTrips	WD_TR	11.03	12.00
tblVehicleTrips	WD_TR	42.70	8.87

2.0 Emissions Summary

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.3953	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379	0.0000	12.3419	12.3419	0.0119	0.0000	12.6401
Energy	0.0411	0.3584	0.2049	2.2400e-003		0.0284	0.0284		0.0284	0.0284		447.8591	447.8591	8.5800e-003	8.2100e-003	450.5205
Mobile	1.8744	7.0819	19.1218	0.0566	5.1194	0.0566	5.1760	1.3676	0.0531	1.4207		5,707.6178	5,707.6178	0.2233		5,713.2001
Total	9.3108	7.5195	26.1874	0.0592	5.1194	0.1229	5.2423	1.3676	0.1194	1.4870	0.0000	6,167.8188	6,167.8188	0.2438	8.2100e-003	6,176.3607

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	7.3953	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379	0.0000	12.3419	12.3419	0.0119	0.0000	12.6401
Energy	0.0411	0.3584	0.2049	2.2400e-003		0.0284	0.0284		0.0284	0.0284		447.8591	447.8591	8.5800e-003	8.2100e-003	450.5205
Mobile	1.8744	7.0819	19.1218	0.0566	5.1194	0.0566	5.1760	1.3676	0.0531	1.4207		5,707.6178	5,707.6178	0.2233		5,713.2001
Total	9.3108	7.5195	26.1874	0.0592	5.1194	0.1229	5.2423	1.3676	0.1194	1.4870	0.0000	6,167.8188	6,167.8188	0.2438	8.2100e-003	6,176.3607

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2020	1/14/2020	5	10	
2	Grading	Grading	1/15/2020	2/25/2020	5	30	
3	Building Construction	Building Construction	2/26/2020	4/20/2021	5	300	
4	Architectural Coating	Architectural Coating	10/21/2020	5/18/2021	5	150	
5	Paving	Paving	4/21/2021	5/18/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 2.4

Residential Indoor: 168,075; Residential Outdoor: 56,025; Non-Residential Indoor: 251,418; Non-Residential Outdoor: 83,806; Striped Parking Area: 6,273 (Architectural Coating – sqft)

OffRoad Equipment

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	3,720.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	169.00	53.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	34.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0770	0.0642	0.6389	1.6700e-003	0.1780	1.1400e-003	0.1791	0.0472	1.0500e-003	0.0483		166.2997	166.2997	5.4200e-003		166.4352
Total	0.0770	0.0642	0.6389	1.6700e-003	0.1780	1.1400e-003	0.1791	0.0472	1.0500e-003	0.0483		166.2997	166.2997	5.4200e-003		166.4352

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0770	0.0642	0.6389	1.6700e-003	0.1780	1.1400e-003	0.1791	0.0472	1.0500e-003	0.0483		166.2997	166.2997	5.4200e-003		166.4352
Total	0.0770	0.0642	0.6389	1.6700e-003	0.1780	1.1400e-003	0.1791	0.0472	1.0500e-003	0.0483		166.2997	166.2997	5.4200e-003		166.4352

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8559	0.0000	8.8559	3.6242	0.0000	3.6242			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	8.8559	2.1739	11.0298	3.6242	2.0000	5.6241		6,005.8653	6,005.8653	1.9424		6,054.4257

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0639	39.1193	8.4291	0.0981	2.1637	0.1722	2.3359	0.5927	0.1647	0.7575		10,579.7302	10,579.7302	0.5871		10,594.4088
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0855	0.0714	0.7099	1.8600e-003	0.1977	1.2600e-003	0.1990	0.0524	1.1700e-003	0.0536		184.7775	184.7775	6.0200e-003		184.9280
Total	1.1495	39.1907	9.1390	0.1000	2.3614	0.1735	2.5348	0.6452	0.1659	0.8111		10,764.5076	10,764.5076	0.5932		10,779.3368

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8559	0.0000	8.8559	3.6242	0.0000	3.6242			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	8.8559	2.1739	11.0298	3.6242	2.0000	5.6241	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0639	39.1193	8.4291	0.0981	2.1637	0.1722	2.3359	0.5927	0.1647	0.7575		10,579.7302	10,579.7302	0.5871		10,594.4088
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0855	0.0714	0.7099	1.8600e-003	0.1977	1.2600e-003	0.1990	0.0524	1.1700e-003	0.0536		184.7775	184.7775	6.0200e-003		184.9280
Total	1.1495	39.1907	9.1390	0.1000	2.3614	0.1735	2.5348	0.6452	0.1659	0.8111		10,764.5076	10,764.5076	0.5932		10,779.3368

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1922	5.4698	1.5675	0.0107	0.2460	0.0297	0.2757	0.0709	0.0284	0.0993		1,138.4488	1,138.4488	0.0655		1,140.0854
Worker	0.7228	0.6030	5.9989	0.0157	1.6708	0.0107	1.6814	0.4431	9.8600e-003	0.4530		1,561.3695	1,561.3695	0.0509		1,562.6419
Total	0.9150	6.0728	7.5664	0.0264	1.9168	0.0404	1.9572	0.5140	0.0383	0.5522		2,699.8183	2,699.8183	0.1164		2,702.7273

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3.4 Building Construction - 2020

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1922	5.4698	1.5675	0.0107	0.2460	0.0297	0.2757	0.0709	0.0284	0.0993		1,138.448 8	1,138.448 8	0.0655		1,140.085 4
Worker	0.7228	0.6030	5.9989	0.0157	1.6708	0.0107	1.6814	0.4431	9.8600e-003	0.4530		1,561.369 5	1,561.369 5	0.0509		1,562.641 9
Total	0.9150	6.0728	7.5664	0.0264	1.9168	0.0404	1.9572	0.5140	0.0383	0.5522		2,699.818 3	2,699.818 3	0.1164		2,702.727 3

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.4 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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1571	5.0096	1.3823	0.0106	0.2461	0.0141	0.2601	0.0709	0.0134	0.0843		1,131.8490	1,131.8490	0.0638		1,133.4434
Worker	0.6732	0.5393	5.4477	0.0151	1.6708	0.0104	1.6811	0.4431	9.5400e-003	0.4527		1,508.1598	1,508.1598	0.0453		1,509.2921
Total	0.8303	5.5489	6.8300	0.0258	1.9168	0.0244	1.9412	0.5140	0.0230	0.5370		2,640.0088	2,640.0088	0.1091		2,642.7354

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.4 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1571	5.0096	1.3823	0.0106	0.2461	0.0141	0.2601	0.0709	0.0134	0.0843		1,131.8490	1,131.8490	0.0638		1,133.4434
Worker	0.6732	0.5393	5.4477	0.0151	1.6708	0.0104	1.6811	0.4431	9.5400e-003	0.4527		1,508.1598	1,508.1598	0.0453		1,509.2921
Total	0.8303	5.5489	6.8300	0.0258	1.9168	0.0244	1.9412	0.5140	0.0230	0.5370		2,640.0088	2,640.0088	0.1091		2,642.7354

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.5 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.4985					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	43.7407	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1454	0.1213	1.2069	3.1500e-003	0.3361	2.1500e-003	0.3383	0.0892	1.9800e-003	0.0911		314.1217	314.1217	0.0102		314.3777
Total	0.1454	0.1213	1.2069	3.1500e-003	0.3361	2.1500e-003	0.3383	0.0892	1.9800e-003	0.0911		314.1217	314.1217	0.0102		314.3777

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.5 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.4985					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	43.7407	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1454	0.1213	1.2069	3.1500e-003	0.3361	2.1500e-003	0.3383	0.0892	1.9800e-003	0.0911		314.1217	314.1217	0.0102		314.3777
Total	0.1454	0.1213	1.2069	3.1500e-003	0.3361	2.1500e-003	0.3383	0.0892	1.9800e-003	0.0911		314.1217	314.1217	0.0102		314.3777

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.5 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.4985					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	43.7174	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1354	0.1085	1.0960	3.0500e-003	0.3361	2.0800e-003	0.3382	0.0892	1.9200e-003	0.0911		303.4168	303.4168	9.1100e-003		303.6446
Total	0.1354	0.1085	1.0960	3.0500e-003	0.3361	2.0800e-003	0.3382	0.0892	1.9200e-003	0.0911		303.4168	303.4168	9.1100e-003		303.6446

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.5 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	43.4985					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	43.7174	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1354	0.1085	1.0960	3.0500e-003	0.3361	2.0800e-003	0.3382	0.0892	1.9200e-003	0.0911		303.4168	303.4168	9.1100e-003		303.6446
Total	0.1354	0.1085	1.0960	3.0500e-003	0.3361	2.0800e-003	0.3382	0.0892	1.9200e-003	0.0911		303.4168	303.4168	9.1100e-003		303.6446

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3144					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5700	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0598	0.0479	0.4835	1.3400e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		133.8603	133.8603	4.0200e-003		133.9608
Total	0.0598	0.0479	0.4835	1.3400e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		133.8603	133.8603	4.0200e-003		133.9608

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.6 Paving - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3144					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5700	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0598	0.0479	0.4835	1.3400e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		133.8603	133.8603	4.0200e-003		133.9608
Total	0.0598	0.0479	0.4835	1.3400e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		133.8603	133.8603	4.0200e-003		133.9608

4.0 Operational Detail - Mobile

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.8744	7.0819	19.1218	0.0566	5.1194	0.0566	5.1760	1.3676	0.0531	1.4207		5,707.6178	5,707.6178	0.2233		5,713.2001
Unmitigated	1.8744	7.0819	19.1218	0.0566	5.1194	0.0566	5.1760	1.3676	0.0531	1.4207		5,707.6178	5,707.6178	0.2233		5,713.2001

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	422.47	439.07	382.63	1,065,294	1,065,294
City Park	119.99	61.43	45.20	205,134	205,134
General Office Building	300.00	67.00	28.50	518,513	518,513
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	221.75	259.50	131.00	309,253	309,253
Total	1,064.21	827.00	587.33	2,098,193	2,098,193

4.3 Trip Type Information

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
City Park	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Apartments Mid Rise	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Regional Shopping Center	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0411	0.3584	0.2049	2.2400e-003		0.0284	0.0284		0.0284	0.0284		447.8591	447.8591	8.5800e-003	8.2100e-003	450.5205
NaturalGas Unmitigated	0.0411	0.3584	0.2049	2.2400e-003		0.0284	0.0284		0.0284	0.0284		447.8591	447.8591	8.5800e-003	8.2100e-003	450.5205

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 Mid Rise	2517.08	0.0271	0.2320	0.0987	1.4800e-003		0.0188	0.0188		0.0188	0.0188		296.1266	296.1266	5.6800e-003	5.4300e-003	297.8863
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1126.71	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
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
Regional Shopping Center	163.014	1.7600e-003	0.0160	0.0134	1.0000e-004		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		19.1781	19.1781	3.7000e-004	3.5000e-004	19.2921
Total		0.0411	0.3584	0.2049	2.2400e-003		0.0284	0.0284		0.0284	0.0284		447.8591	447.8591	8.5900e-003	8.2100e-003	450.5205

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	2.51708	0.0271	0.2320	0.0987	1.4800e-003		0.0188	0.0188		0.0188	0.0188		296.1266	296.1266	5.6800e-003	5.4300e-003	297.8863
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1.12671	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
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
Regional Shopping Center	0.163014	1.7600e-003	0.0160	0.0134	1.0000e-004		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		19.1781	19.1781	3.7000e-004	3.5000e-004	19.2921
Total		0.0411	0.3584	0.2049	2.2400e-003		0.0284	0.0284		0.0284	0.0284		447.8591	447.8591	8.5900e-003	8.2100e-003	450.5205

6.0 Area Detail

6.1 Mitigation Measures Area

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.3953	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379	0.0000	12.3419	12.3419	0.0119	0.0000	12.6401
Unmitigated	7.3953	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379	0.0000	12.3419	12.3419	0.0119	0.0000	12.6401

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	1.7876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.4001					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	0.2076	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379		12.3419	12.3419	0.0119		12.6401
Total	7.3953	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379	0.0000	12.3419	12.3419	0.0119	0.0000	12.6401

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.7876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.4001					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	0.2076	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379		12.3419	12.3419	0.0119		12.6401
Total	7.3953	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379	0.0000	12.3419	12.3419	0.0119	0.0000	12.6401

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

San Luis Ranch Project - 2020 Start
San Luis Obispo County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	1.30	25,000.00	0
Parking Lot	0.60	Acre	0.60	26,136.00	0
Parking Lot	1.80	Acre	1.80	78,408.00	0
City Park	2.70	Acre	2.70	117,612.00	0
Apartments Mid Rise	83.00	Dwelling Unit	4.00	83,000.00	237
Regional Shopping Center	25.00	1000sqft	0.57	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 3, 5, and 6. Ag SF from Sect 3.9 of Specific Plan.

Construction Phase - No demolition. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition - Building sf estimated using Google Earth

Grading - Total import proportionally distributed by phase acreage.

Architectural Coating -

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Woodstoves -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Energy Mitigation - Per Specific Plan, appliances will be energy efficient.

Water Mitigation -

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	NumDays	20.00	150.00
tblGrading	MaterialImported	0.00	29,760.00
tblLandUse	BuildingSpaceSquareFeet	0.00	117,612.00
tblLandUse	GreenSpaceSquareFeet	117,612.00	0.00
tblLandUse	LotAcreage	0.57	1.30
tblLandUse	LotAcreage	2.18	4.00
tblProjectCharacteristics	OperationalYear	2018	2022
tblVehicleTrips	ST_TR	6.39	5.29
tblVehicleTrips	ST_TR	2.46	2.68
tblVehicleTrips	ST_TR	49.97	10.38
tblVehicleTrips	SU_TR	5.86	4.61
tblVehicleTrips	SU_TR	1.05	1.14
tblVehicleTrips	SU_TR	25.24	5.24
tblVehicleTrips	WD_TR	6.65	5.09
tblVehicleTrips	WD_TR	1.89	44.44
tblVehicleTrips	WD_TR	11.03	12.00
tblVehicleTrips	WD_TR	42.70	8.87

2.0 Emissions Summary

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.3953	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379	0.0000	12.3419	12.3419	0.0119	0.0000	12.6401
Energy	0.0411	0.3584	0.2049	2.2400e-003		0.0284	0.0284		0.0284	0.0284		447.8591	447.8591	8.5800e-003	8.2100e-003	450.5205
Mobile	1.8112	7.3238	19.6773	0.0543	5.1194	0.0572	5.1766	1.3676	0.0537	1.4213		5,481.0705	5,481.0705	0.2273		5,486.7521
Total	9.2475	7.7613	26.7429	0.0569	5.1194	0.1235	5.2429	1.3676	0.1200	1.4876	0.0000	5,941.2715	5,941.2715	0.2478	8.2100e-003	5,949.9127

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	7.3953	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379	0.0000	12.3419	12.3419	0.0119	0.0000	12.6401
Energy	0.0411	0.3584	0.2049	2.2400e-003		0.0284	0.0284		0.0284	0.0284		447.8591	447.8591	8.5800e-003	8.2100e-003	450.5205
Mobile	1.8112	7.3238	19.6773	0.0543	5.1194	0.0572	5.1766	1.3676	0.0537	1.4213		5,481.0705	5,481.0705	0.2273		5,486.7521
Total	9.2475	7.7613	26.7429	0.0569	5.1194	0.1235	5.2429	1.3676	0.1200	1.4876	0.0000	5,941.2715	5,941.2715	0.2478	8.2100e-003	5,949.9127

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2020	1/14/2020	5	10	
2	Grading	Grading	1/15/2020	2/25/2020	5	30	
3	Building Construction	Building Construction	2/26/2020	4/20/2021	5	300	
4	Architectural Coating	Architectural Coating	10/21/2020	5/18/2021	5	150	
5	Paving	Paving	4/21/2021	5/18/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 2.4

Residential Indoor: 168,075; Residential Outdoor: 56,025; Non-Residential Indoor: 251,418; Non-Residential Outdoor: 83,806; Striped Parking Area: 6,273 (Architectural Coating – sqft)

OffRoad Equipment

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	3,720.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	169.00	53.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	34.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0878	0.0729	0.6216	1.5900e-003	0.1780	1.1400e-003	0.1791	0.0472	1.0500e-003	0.0483		158.5129	158.5129	5.2400e-003		158.6439
Total	0.0878	0.0729	0.6216	1.5900e-003	0.1780	1.1400e-003	0.1791	0.0472	1.0500e-003	0.0483		158.5129	158.5129	5.2400e-003		158.6439

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0878	0.0729	0.6216	1.5900e-003	0.1780	1.1400e-003	0.1791	0.0472	1.0500e-003	0.0483		158.5129	158.5129	5.2400e-003		158.6439
Total	0.0878	0.0729	0.6216	1.5900e-003	0.1780	1.1400e-003	0.1791	0.0472	1.0500e-003	0.0483		158.5129	158.5129	5.2400e-003		158.6439

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8559	0.0000	8.8559	3.6242	0.0000	3.6242			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	8.8559	2.1739	11.0298	3.6242	2.0000	5.6241		6,005.8653	6,005.8653	1.9424		6,054.4257

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0932	39.3924	8.9540	0.0967	2.1637	0.1760	2.3397	0.5927	0.1684	0.7611		10,424.3344	10,424.3344	0.6059		10,439.4830
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0975	0.0810	0.6907	1.7700e-003	0.1977	1.2600e-003	0.1990	0.0524	1.1700e-003	0.0536		176.1254	176.1254	5.8200e-003		176.2710
Total	1.1907	39.4733	9.6447	0.0985	2.3614	0.1773	2.5387	0.6452	0.1696	0.8147		10,600.4599	10,600.4599	0.6118		10,615.7540

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8559	0.0000	8.8559	3.6242	0.0000	3.6242			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.865 3	6,005.865 3	1.9424		6,054.425 7
Total	4.4501	50.1975	31.9583	0.0620	8.8559	2.1739	11.0298	3.6242	2.0000	5.6241	0.0000	6,005.865 3	6,005.865 3	1.9424		6,054.425 7

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0932	39.3924	8.9540	0.0967	2.1637	0.1760	2.3397	0.5927	0.1684	0.7611		10,424.33 44	10,424.33 44	0.6059		10,439.48 30
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0975	0.0810	0.6907	1.7700e- 003	0.1977	1.2600e- 003	0.1990	0.0524	1.1700e- 003	0.0536		176.1254	176.1254	5.8200e- 003		176.2710
Total	1.1907	39.4733	9.6447	0.0985	2.3614	0.1773	2.5387	0.6452	0.1696	0.8147		10,600.45 99	10,600.45 99	0.6118		10,615.75 40

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.4 Building Construction - 2020

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2033	5.4426	1.7650	0.0104	0.2460	0.0306	0.2766	0.0709	0.0293	0.1002		1,104.046 4	1,104.046 4	0.0700		1,105.796 3
Worker	0.8240	0.6844	5.8363	0.0150	1.6708	0.0107	1.6814	0.4431	9.8600e-003	0.4530		1,488.259 9	1,488.259 9	0.0492		1,489.490 2
Total	1.0272	6.1270	7.6013	0.0253	1.9168	0.0413	1.9581	0.5140	0.0392	0.5531		2,592.306 3	2,592.306 3	0.1192		2,595.286 5

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.4 Building Construction - 2020

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2033	5.4426	1.7650	0.0104	0.2460	0.0306	0.2766	0.0709	0.0293	0.1002		1,104.046 4	1,104.046 4	0.0700		1,105.796 3
Worker	0.8240	0.6844	5.8363	0.0150	1.6708	0.0107	1.6814	0.4431	9.8600e-003	0.4530		1,488.259 9	1,488.259 9	0.0492		1,489.490 2
Total	1.0272	6.1270	7.6013	0.0253	1.9168	0.0413	1.9581	0.5140	0.0392	0.5531		2,592.306 3	2,592.306 3	0.1192		2,595.286 5

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.4 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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1673	4.9769	1.5652	0.0103	0.2461	0.0149	0.2610	0.0709	0.0142	0.0851		1,097.1189	1,097.1189	0.0683		1,098.8262
Worker	0.7689	0.6119	5.2858	0.0144	1.6708	0.0104	1.6811	0.4431	9.5400e-003	0.4527		1,437.5375	1,437.5375	0.0437		1,438.6297
Total	0.9362	5.5888	6.8509	0.0247	1.9168	0.0252	1.9421	0.5140	0.0238	0.5378		2,534.6563	2,534.6563	0.1120		2,537.4559

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.4 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1673	4.9769	1.5652	0.0103	0.2461	0.0149	0.2610	0.0709	0.0142	0.0851		1,097.1189	1,097.1189	0.0683		1,098.8262
Worker	0.7689	0.6119	5.2858	0.0144	1.6708	0.0104	1.6811	0.4431	9.5400e-003	0.4527		1,437.5375	1,437.5375	0.0437		1,438.6297
Total	0.9362	5.5888	6.8509	0.0247	1.9168	0.0252	1.9421	0.5140	0.0238	0.5378		2,534.6563	2,534.6563	0.1120		2,537.4559

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.5 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.4985					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	43.7407	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1658	0.1377	1.1742	3.0100e-003	0.3361	2.1500e-003	0.3383	0.0892	1.9800e-003	0.0911		299.4132	299.4132	9.9000e-003		299.6608
Total	0.1658	0.1377	1.1742	3.0100e-003	0.3361	2.1500e-003	0.3383	0.0892	1.9800e-003	0.0911		299.4132	299.4132	9.9000e-003		299.6608

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.5 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.4985					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	43.7407	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1658	0.1377	1.1742	3.0100e-003	0.3361	2.1500e-003	0.3383	0.0892	1.9800e-003	0.0911		299.4132	299.4132	9.9000e-003		299.6608
Total	0.1658	0.1377	1.1742	3.0100e-003	0.3361	2.1500e-003	0.3383	0.0892	1.9800e-003	0.0911		299.4132	299.4132	9.9000e-003		299.6608

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.5 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.4985					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	43.7174	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1547	0.1231	1.0634	2.9000e-003	0.3361	2.0800e-003	0.3382	0.0892	1.9200e-003	0.0911		289.2087	289.2087	8.7900e-003		289.4285
Total	0.1547	0.1231	1.0634	2.9000e-003	0.3361	2.0800e-003	0.3382	0.0892	1.9200e-003	0.0911		289.2087	289.2087	8.7900e-003		289.4285

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.5 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	43.4985					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	43.7174	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1547	0.1231	1.0634	2.9000e-003	0.3361	2.0800e-003	0.3382	0.0892	1.9200e-003	0.0911		289.2087	289.2087	8.7900e-003		289.4285
Total	0.1547	0.1231	1.0634	2.9000e-003	0.3361	2.0800e-003	0.3382	0.0892	1.9200e-003	0.0911		289.2087	289.2087	8.7900e-003		289.4285

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3144					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5700	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0683	0.0543	0.4692	1.2800e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		127.5921	127.5921	3.8800e-003		127.6890
Total	0.0683	0.0543	0.4692	1.2800e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		127.5921	127.5921	3.8800e-003		127.6890

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.6 Paving - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3144					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5700	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0683	0.0543	0.4692	1.2800e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		127.5921	127.5921	3.8800e-003		127.6890
Total	0.0683	0.0543	0.4692	1.2800e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		127.5921	127.5921	3.8800e-003		127.6890

4.0 Operational Detail - Mobile

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.8112	7.3238	19.6773	0.0543	5.1194	0.0572	5.1766	1.3676	0.0537	1.4213		5,481.0705	5,481.0705	0.2273		5,486.7521
Unmitigated	1.8112	7.3238	19.6773	0.0543	5.1194	0.0572	5.1766	1.3676	0.0537	1.4213		5,481.0705	5,481.0705	0.2273		5,486.7521

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	422.47	439.07	382.63	1,065,294	1,065,294
City Park	119.99	61.43	45.20	205,134	205,134
General Office Building	300.00	67.00	28.50	518,513	518,513
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	221.75	259.50	131.00	309,253	309,253
Total	1,064.21	827.00	587.33	2,098,193	2,098,193

4.3 Trip Type Information

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
City Park	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Apartments Mid Rise	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Regional Shopping Center	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0411	0.3584	0.2049	2.2400e-003		0.0284	0.0284		0.0284	0.0284		447.8591	447.8591	8.5800e-003	8.2100e-003	450.5205
NaturalGas Unmitigated	0.0411	0.3584	0.2049	2.2400e-003		0.0284	0.0284		0.0284	0.0284		447.8591	447.8591	8.5800e-003	8.2100e-003	450.5205

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 Mid Rise	2517.08	0.0271	0.2320	0.0987	1.4800e-003		0.0188	0.0188		0.0188	0.0188		296.1266	296.1266	5.6800e-003	5.4300e-003	297.8863
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1126.71	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
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
Regional Shopping Center	163.014	1.7600e-003	0.0160	0.0134	1.0000e-004		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		19.1781	19.1781	3.7000e-004	3.5000e-004	19.2921
Total		0.0411	0.3584	0.2049	2.2400e-003		0.0284	0.0284		0.0284	0.0284		447.8591	447.8591	8.5900e-003	8.2100e-003	450.5205

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	2.51708	0.0271	0.2320	0.0987	1.4800e-003		0.0188	0.0188		0.0188	0.0188		296.1266	296.1266	5.6800e-003	5.4300e-003	297.8863
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1.12671	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
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
Regional Shopping Center	0.163014	1.7600e-003	0.0160	0.0134	1.0000e-004		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		19.1781	19.1781	3.7000e-004	3.5000e-004	19.2921
Total		0.0411	0.3584	0.2049	2.2400e-003		0.0284	0.0284		0.0284	0.0284		447.8591	447.8591	8.5900e-003	8.2100e-003	450.5205

6.0 Area Detail

6.1 Mitigation Measures Area

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.3953	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379	0.0000	12.3419	12.3419	0.0119	0.0000	12.6401
Unmitigated	7.3953	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379	0.0000	12.3419	12.3419	0.0119	0.0000	12.6401

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	1.7876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.4001					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	0.2076	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379		12.3419	12.3419	0.0119		12.6401
Total	7.3953	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379	0.0000	12.3419	12.3419	0.0119	0.0000	12.6401

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.7876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.4001					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	0.2076	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379		12.3419	12.3419	0.0119		12.6401
Total	7.3953	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379	0.0000	12.3419	12.3419	0.0119	0.0000	12.6401

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summary Report

San Luis Ranch Project - 2020 Start
San Luis Obispo County APCD, Summary Report

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	1.30	25,000.00	0
Parking Lot	0.60	Acre	0.60	26,136.00	0
Parking Lot	1.80	Acre	1.80	78,408.00	0
City Park	2.70	Acre	2.70	117,612.00	0
Apartments Mid Rise	83.00	Dwelling Unit	4.00	83,000.00	237
Regional Shopping Center	25.00	1000sqft	0.57	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summary Report

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 3, 5, and 6. Ag SF from Sect 3.9 of Specific Plan.

Construction Phase - No demolition. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition - Building sf estimated using Google Earth

Grading - Total import proportionally distributed by phase acreage.

Architectural Coating -

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Woodstoves -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Energy Mitigation - Per Specific Plan, appliances will be energy efficient.

Water Mitigation -

2.0 Peak Daily Emissions

Peak Daily Construction Emissions

Peak Daily Construction Emissions

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Annual

San Luis Ranch Project - 2021 Start
San Luis Obispo County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	1.30	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Annual

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phase 5.

Construction Phase - Demolition, site prep and grading would be completed 2018-2020 for Phase 5.

Off-road Equipment -

Demolition - Building sf estimated using Google Earth

Grading - Soil import completed in 2020

Architectural Coating -

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblLandUse	LotAcreage	0.57	1.30
tblProjectCharacteristics	OperationalYear	2018	2022
tblVehicleTrips	ST_TR	2.46	2.68
tblVehicleTrips	SU_TR	1.05	1.14
tblVehicleTrips	WD_TR	11.03	12.00

2.0 Emissions Summary

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2021	3-31-2021	0.5111	0.5111
2	4-1-2021	6-30-2021	0.4546	0.4546
		Highest	0.5111	0.5111

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	0.1267	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.2000e-004	8.2000e-004	0.0000	0.0000	8.7000e-004
Energy	2.2200e-003	0.0202	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	154.4560	154.4560	6.4100e-003	1.6400e-003	155.1057
Mobile	0.0668	0.2810	0.7406	2.1300e-003	0.1947	2.2000e-003	0.1969	0.0521	2.0700e-003	0.0542	0.0000	195.0057	195.0057	7.8300e-003	0.0000	195.2014
Waste						0.0000	0.0000		0.0000	0.0000	4.7195	0.0000	4.7195	0.2789	0.0000	11.6925
Water						0.0000	0.0000		0.0000	0.0000	1.4097	9.7672	11.1769	0.1452	3.5100e-003	15.8536
Total	0.1957	0.3012	0.7580	2.2500e-003	0.1947	3.7300e-003	0.1985	0.0521	3.6000e-003	0.0557	6.1292	359.2298	365.3590	0.4384	5.1500e-003	377.8540

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, 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	0.1267	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.2000e-004	8.2000e-004	0.0000	0.0000	8.7000e-004
Energy	2.2200e-003	0.0202	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	154.4560	154.4560	6.4100e-003	1.6400e-003	155.1057
Mobile	0.0668	0.2810	0.7406	2.1300e-003	0.1947	2.2000e-003	0.1969	0.0521	2.0700e-003	0.0542	0.0000	195.0057	195.0057	7.8300e-003	0.0000	195.2014
Waste						0.0000	0.0000		0.0000	0.0000	4.7195	0.0000	4.7195	0.2789	0.0000	11.6925
Water						0.0000	0.0000		0.0000	0.0000	1.4097	9.7672	11.1769	0.1452	3.5100e-003	15.8536
Total	0.1957	0.3012	0.7580	2.2500e-003	0.1947	3.7300e-003	0.1985	0.0521	3.6000e-003	0.0557	6.1292	359.2298	365.3590	0.4384	5.1500e-003	377.8540

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2021	5/20/2021	5	200	
2	Paving	Paving	5/21/2021	5/27/2021	5	10	
3	Architectural Coating	Architectural Coating	5/28/2021	6/3/2021	5	10	

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Annual

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 37,500; Non-Residential Outdoor: 12,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Paving Equipment	1	8.00	132	0.36
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	8.00	4.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Annual

3.1 Mitigation Measures Construction

3.2 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	0.0906	0.6818	0.6450	1.1000e-003		0.0342	0.0342		0.0330	0.0330	0.0000	90.7738	90.7738	0.0162	0.0000	91.1790
Total	0.0906	0.6818	0.6450	1.1000e-003		0.0342	0.0342		0.0330	0.0330	0.0000	90.7738	90.7738	0.0162	0.0000	91.1790

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	6.1000e-004	0.0190	5.5800e-003	4.0000e-005	9.1000e-004	5.0000e-005	9.6000e-004	2.6000e-004	5.0000e-005	3.1000e-004	0.0000	3.8247	3.8247	2.3000e-004	0.0000	3.8303
Worker	1.6300e-003	1.4200e-003	0.0125	3.0000e-005	3.8500e-003	2.0000e-005	3.8800e-003	1.0200e-003	2.0000e-005	1.0500e-003	0.0000	3.1118	3.1118	9.0000e-005	0.0000	3.1142
Total	2.2400e-003	0.0205	0.0181	7.0000e-005	4.7600e-003	7.0000e-005	4.8400e-003	1.2800e-003	7.0000e-005	1.3600e-003	0.0000	6.9365	6.9365	3.2000e-004	0.0000	6.9445

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3.2 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0906	0.6818	0.6450	1.1000e-003		0.0342	0.0342		0.0330	0.0330	0.0000	90.7737	90.7737	0.0162	0.0000	91.1788
Total	0.0906	0.6818	0.6450	1.1000e-003		0.0342	0.0342		0.0330	0.0330	0.0000	90.7737	90.7737	0.0162	0.0000	91.1788

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	6.1000e-004	0.0190	5.5800e-003	4.0000e-005	9.1000e-004	5.0000e-005	9.6000e-004	2.6000e-004	5.0000e-005	3.1000e-004	0.0000	3.8247	3.8247	2.3000e-004	0.0000	3.8303
Worker	1.6300e-003	1.4200e-003	0.0125	3.0000e-005	3.8500e-003	2.0000e-005	3.8800e-003	1.0200e-003	2.0000e-005	1.0500e-003	0.0000	3.1118	3.1118	9.0000e-005	0.0000	3.1142
Total	2.2400e-003	0.0205	0.0181	7.0000e-005	4.7600e-003	7.0000e-005	4.8400e-003	1.2800e-003	7.0000e-005	1.3600e-003	0.0000	6.9365	6.9365	3.2000e-004	0.0000	6.9445

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3.3 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9300e-003	0.0194	0.0221	3.0000e-005		1.0400e-003	1.0400e-003		9.6000e-004	9.6000e-004	0.0000	2.9412	2.9412	9.3000e-004	0.0000	2.9646
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.9300e-003	0.0194	0.0221	3.0000e-005		1.0400e-003	1.0400e-003		9.6000e-004	9.6000e-004	0.0000	2.9412	2.9412	9.3000e-004	0.0000	2.9646

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.3000e-004	1.2000e-004	1.0100e-003	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2528	0.2528	1.0000e-005	0.0000	0.2530
Total	1.3000e-004	1.2000e-004	1.0100e-003	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2528	0.2528	1.0000e-005	0.0000	0.2530

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3.3 Paving - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9300e-003	0.0194	0.0221	3.0000e-005		1.0400e-003	1.0400e-003		9.6000e-004	9.6000e-004	0.0000	2.9412	2.9412	9.3000e-004	0.0000	2.9646
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.9300e-003	0.0194	0.0221	3.0000e-005		1.0400e-003	1.0400e-003		9.6000e-004	9.6000e-004	0.0000	2.9412	2.9412	9.3000e-004	0.0000	2.9646

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.3000e-004	1.2000e-004	1.0100e-003	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2528	0.2528	1.0000e-005	0.0000	0.2530
Total	1.3000e-004	1.2000e-004	1.0100e-003	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2528	0.2528	1.0000e-005	0.0000	0.2530

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3.4 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1448					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5000e-004	3.8200e-003	4.5400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	0.1454	3.8200e-003	4.5400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	2.0000e-005	1.6000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0389	0.0389	0.0000	0.0000	0.0389
Total	2.0000e-005	2.0000e-005	1.6000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0389	0.0389	0.0000	0.0000	0.0389

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3.4 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1448					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5000e-004	3.8200e-003	4.5400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	0.1454	3.8200e-003	4.5400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	2.0000e-005	1.6000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0389	0.0389	0.0000	0.0000	0.0389
Total	2.0000e-005	2.0000e-005	1.6000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0389	0.0389	0.0000	0.0000	0.0389

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0668	0.2810	0.7406	2.1300e-003	0.1947	2.2000e-003	0.1969	0.0521	2.0700e-003	0.0542	0.0000	195.0057	195.0057	7.8300e-003	0.0000	195.2014
Unmitigated	0.0668	0.2810	0.7406	2.1300e-003	0.1947	2.2000e-003	0.1969	0.0521	2.0700e-003	0.0542	0.0000	195.0057	195.0057	7.8300e-003	0.0000	195.2014

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	300.00	67.00	28.50	518,513	518,513
Total	300.00	67.00	28.50	518,513	518,513

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
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	132.5102	132.5102	5.9900e-003	1.2400e-003	133.0294
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	132.5102	132.5102	5.9900e-003	1.2400e-003	133.0294
NaturalGas Mitigated	2.2200e-003	0.0202	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.9459	21.9459	4.2000e-004	4.0000e-004	22.0763
NaturalGas Unmitigated	2.2200e-003	0.0202	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.9459	21.9459	4.2000e-004	4.0000e-004	22.0763

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	411250	2.2200e-003	0.0202	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.9459	21.9459	4.2000e-004	4.0000e-004	22.0763
Total		2.2200e-003	0.0202	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.9459	21.9459	4.2000e-004	4.0000e-004	22.0763

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					
General Office Building	411250	2.2200e-003	0.0202	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.9459	21.9459	4.2000e-004	4.0000e-004	22.0763
Total		2.2200e-003	0.0202	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.9459	21.9459	4.2000e-004	4.0000e-004	22.0763

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	455500	132.5102	5.9900e-003	1.2400e-003	133.0294
Total		132.5102	5.9900e-003	1.2400e-003	133.0294

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	455500	132.5102	5.9900e-003	1.2400e-003	133.0294
Total		132.5102	5.9900e-003	1.2400e-003	133.0294

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1267	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.2000e-004	8.2000e-004	0.0000	0.0000	8.7000e-004
Unmitigated	0.1267	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.2000e-004	8.2000e-004	0.0000	0.0000	8.7000e-004

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	0.0290					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0976					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.2000e-004	8.2000e-004	0.0000	0.0000	8.7000e-004
Total	0.1267	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.2000e-004	8.2000e-004	0.0000	0.0000	8.7000e-004

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0290					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0976					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.2000e-004	8.2000e-004	0.0000	0.0000	8.7000e-004
Total	0.1267	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.2000e-004	8.2000e-004	0.0000	0.0000	8.7000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	11.1769	0.1452	3.5100e-003	15.8536
Unmitigated	11.1769	0.1452	3.5100e-003	15.8536

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	4.44334 / 2.72334	11.1769	0.1452	3.5100e-003	15.8536
Total		11.1769	0.1452	3.5100e-003	15.8536

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	4.44334 / 2.72334	11.1769	0.1452	3.5100e-003	15.8536
Total		11.1769	0.1452	3.5100e-003	15.8536

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4.7195	0.2789	0.0000	11.6925
Unmitigated	4.7195	0.2789	0.0000	11.6925

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	23.25	4.7195	0.2789	0.0000	11.6925
Total		4.7195	0.2789	0.0000	11.6925

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	23.25	4.7195	0.2789	0.0000	11.6925
Total		4.7195	0.2789	0.0000	11.6925

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

San Luis Ranch Project - 2021 Start
San Luis Obispo County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	1.30	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phase 5.

Construction Phase - Demolition, site prep and grading would be completed 2018-2020 for Phase 5.

Off-road Equipment -

Demolition - Building sf estimated using Google Earth

Grading - Soil import completed in 2020

Architectural Coating -

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblLandUse	LotAcreage	0.57	1.30
tblProjectCharacteristics	OperationalYear	2018	2022
tblVehicleTrips	ST_TR	2.46	2.68
tblVehicleTrips	SU_TR	1.05	1.14
tblVehicleTrips	WD_TR	11.03	12.00

2.0 Emissions Summary

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6940	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Energy	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
Mobile	0.5107	1.9597	5.3285	0.0159	1.4456	0.0159	1.4614	0.3862	0.0149	0.4011		1,606.1862	1,606.1862	0.0623		1,607.7424
Total	1.2168	2.0702	5.4238	0.0166	1.4456	0.0243	1.4699	0.3862	0.0233	0.4095		1,738.7460	1,738.7460	0.0648	2.4300e-003	1,741.0904

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	0.6940	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Energy	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
Mobile	0.5107	1.9597	5.3285	0.0159	1.4456	0.0159	1.4614	0.3862	0.0149	0.4011		1,606.1862	1,606.1862	0.0623		1,607.7424
Total	1.2168	2.0702	5.4238	0.0166	1.4456	0.0243	1.4699	0.3862	0.0233	0.4095		1,738.7460	1,738.7460	0.0648	2.4300e-003	1,741.0904

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2021	5/20/2021	5	200	
2	Paving	Paving	5/21/2021	5/27/2021	5	10	
3	Architectural Coating	Architectural Coating	5/28/2021	6/3/2021	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 37,500; Non-Residential Outdoor: 12,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Paving Equipment	1	8.00	132	0.36
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	8.00	4.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

3.2 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	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	0.3781	0.1043	8.0000e-004	0.0186	1.0600e-003	0.0196	5.3500e-003	1.0100e-003	6.3600e-003		85.4226	85.4226	4.8100e-003		85.5429
Worker	0.0319	0.0255	0.2579	7.2000e-004	0.0791	4.9000e-004	0.0796	0.0210	4.5000e-004	0.0214		71.3922	71.3922	2.1400e-003		71.4458
Total	0.0437	0.4036	0.3622	1.5200e-003	0.0977	1.5500e-003	0.0992	0.0263	1.4600e-003	0.0278		156.8148	156.8148	6.9500e-003		156.9887

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

3.2 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	0.3781	0.1043	8.0000e-004	0.0186	1.0600e-003	0.0196	5.3500e-003	1.0100e-003	6.3600e-003		85.4226	85.4226	4.8100e-003		85.5429
Worker	0.0319	0.0255	0.2579	7.2000e-004	0.0791	4.9000e-004	0.0796	0.0210	4.5000e-004	0.0214		71.3922	71.3922	2.1400e-003		71.4458
Total	0.0437	0.4036	0.3622	1.5200e-003	0.0977	1.5500e-003	0.0992	0.0263	1.4600e-003	0.0278		156.8148	156.8148	6.9500e-003		156.9887

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

3.3 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830		1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830		1,296.8664	1,296.8664	0.4111		1,307.1442

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0518	0.0415	0.4191	1.1600e-003	0.1285	8.0000e-004	0.1293	0.0341	7.3000e-004	0.0348		116.0123	116.0123	3.4800e-003		116.0994
Total	0.0518	0.0415	0.4191	1.1600e-003	0.1285	8.0000e-004	0.1293	0.0341	7.3000e-004	0.0348		116.0123	116.0123	3.4800e-003		116.0994

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

3.3 Paving - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830	0.0000	1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830	0.0000	1,296.8664	1,296.8664	0.4111		1,307.1442

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0518	0.0415	0.4191	1.1600e-003	0.1285	8.0000e-004	0.1293	0.0341	7.3000e-004	0.0348		116.0123	116.0123	3.4800e-003		116.0994
Total	0.0518	0.0415	0.4191	1.1600e-003	0.1285	8.0000e-004	0.1293	0.0341	7.3000e-004	0.0348		116.0123	116.0123	3.4800e-003		116.0994

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

3.4 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	57.9375					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	58.1564	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.9700e-003	6.3800e-003	0.0645	1.8000e-004	0.0198	1.2000e-004	0.0199	5.2400e-003	1.1000e-004	5.3600e-003		17.8480	17.8480	5.4000e-004		17.8614
Total	7.9700e-003	6.3800e-003	0.0645	1.8000e-004	0.0198	1.2000e-004	0.0199	5.2400e-003	1.1000e-004	5.3600e-003		17.8480	17.8480	5.4000e-004		17.8614

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

3.4 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	57.9375					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	58.1564	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.9700e-003	6.3800e-003	0.0645	1.8000e-004	0.0198	1.2000e-004	0.0199	5.2400e-003	1.1000e-004	5.3600e-003		17.8480	17.8480	5.4000e-004		17.8614
Total	7.9700e-003	6.3800e-003	0.0645	1.8000e-004	0.0198	1.2000e-004	0.0199	5.2400e-003	1.1000e-004	5.3600e-003		17.8480	17.8480	5.4000e-004		17.8614

4.0 Operational Detail - Mobile

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5107	1.9597	5.3285	0.0159	1.4456	0.0159	1.4614	0.3862	0.0149	0.4011		1,606.186 2	1,606.186 2	0.0623		1,607.742 4
Unmitigated	0.5107	1.9597	5.3285	0.0159	1.4456	0.0159	1.4614	0.3862	0.0149	0.4011		1,606.186 2	1,606.186 2	0.0623		1,607.742 4

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	300.00	67.00	28.50	518,513	518,513
Total	300.00	67.00	28.50	518,513	518,513

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
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
NaturalGas Unmitigated	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1126.71	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
Total		0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421

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					
General Office Building	1.12671	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
Total		0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421

6.0 Area Detail

6.1 Mitigation Measures Area

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6940	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Unmitigated	0.6940	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003

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	0.1587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5350					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4000e-004	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Total	0.6940	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5350					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4000e-004	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Total	0.6940	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

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

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

Equipment Type	Number
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11.0 Vegetation

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

San Luis Ranch Project - 2021 Start
San Luis Obispo County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	1.30	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phase 5.

Construction Phase - Demolition, site prep and grading would be completed 2018-2020 for Phase 5.

Off-road Equipment -

Demolition - Building sf estimated using Google Earth

Grading - Soil import completed in 2020

Architectural Coating -

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblLandUse	LotAcreage	0.57	1.30
tblProjectCharacteristics	OperationalYear	2018	2022
tblVehicleTrips	ST_TR	2.46	2.68
tblVehicleTrips	SU_TR	1.05	1.14
tblVehicleTrips	WD_TR	11.03	12.00

2.0 Emissions Summary

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6940	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Energy	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
Mobile	0.4937	2.0281	5.4653	0.0153	1.4456	0.0161	1.4616	0.3862	0.0151	0.4012		1,542.6266	1,542.6266	0.0632		1,544.2076
Total	1.1998	2.1385	5.5607	0.0160	1.4456	0.0245	1.4700	0.3862	0.0235	0.4096		1,675.1864	1,675.1864	0.0658	2.4300e-003	1,677.5555

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	0.6940	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Energy	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
Mobile	0.4937	2.0281	5.4653	0.0153	1.4456	0.0161	1.4616	0.3862	0.0151	0.4012		1,542.6266	1,542.6266	0.0632		1,544.2076
Total	1.1998	2.1385	5.5607	0.0160	1.4456	0.0245	1.4700	0.3862	0.0235	0.4096		1,675.1864	1,675.1864	0.0658	2.4300e-003	1,677.5555

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2021	5/20/2021	5	200	
2	Paving	Paving	5/21/2021	5/27/2021	5	10	
3	Architectural Coating	Architectural Coating	5/28/2021	6/3/2021	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 37,500; Non-Residential Outdoor: 12,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Paving Equipment	1	8.00	132	0.36
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	8.00	4.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

3.2 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	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0126	0.3756	0.1181	7.8000e-004	0.0186	1.1200e-003	0.0197	5.3500e-003	1.0700e-003	6.4200e-003		82.8014	82.8014	5.1500e-003		82.9303
Worker	0.0364	0.0290	0.2502	6.8000e-004	0.0791	4.9000e-004	0.0796	0.0210	4.5000e-004	0.0214		68.0491	68.0491	2.0700e-003		68.1008
Total	0.0490	0.4046	0.3683	1.4600e-003	0.0977	1.6100e-003	0.0993	0.0263	1.5200e-003	0.0279		150.8505	150.8505	7.2200e-003		151.0311

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

3.2 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0126	0.3756	0.1181	7.8000e-004	0.0186	1.1200e-003	0.0197	5.3500e-003	1.0700e-003	6.4200e-003		82.8014	82.8014	5.1500e-003		82.9303
Worker	0.0364	0.0290	0.2502	6.8000e-004	0.0791	4.9000e-004	0.0796	0.0210	4.5000e-004	0.0214		68.0491	68.0491	2.0700e-003		68.1008
Total	0.0490	0.4046	0.3683	1.4600e-003	0.0977	1.6100e-003	0.0993	0.0263	1.5200e-003	0.0279		150.8505	150.8505	7.2200e-003		151.0311

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

3.3 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830		1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830		1,296.8664	1,296.8664	0.4111		1,307.1442

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0592	0.0471	0.4066	1.1100e-003	0.1285	8.0000e-004	0.1293	0.0341	7.3000e-004	0.0348		110.5798	110.5798	3.3600e-003		110.6638
Total	0.0592	0.0471	0.4066	1.1100e-003	0.1285	8.0000e-004	0.1293	0.0341	7.3000e-004	0.0348		110.5798	110.5798	3.3600e-003		110.6638

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

3.3 Paving - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830	0.0000	1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830	0.0000	1,296.8664	1,296.8664	0.4111		1,307.1442

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0592	0.0471	0.4066	1.1100e-003	0.1285	8.0000e-004	0.1293	0.0341	7.3000e-004	0.0348		110.5798	110.5798	3.3600e-003		110.6638
Total	0.0592	0.0471	0.4066	1.1100e-003	0.1285	8.0000e-004	0.1293	0.0341	7.3000e-004	0.0348		110.5798	110.5798	3.3600e-003		110.6638

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

3.4 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	57.9375					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	58.1564	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.1000e-003	7.2400e-003	0.0626	1.7000e-004	0.0198	1.2000e-004	0.0199	5.2400e-003	1.1000e-004	5.3600e-003		17.0123	17.0123	5.2000e-004		17.0252
Total	9.1000e-003	7.2400e-003	0.0626	1.7000e-004	0.0198	1.2000e-004	0.0199	5.2400e-003	1.1000e-004	5.3600e-003		17.0123	17.0123	5.2000e-004		17.0252

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

3.4 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	57.9375					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	58.1564	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.1000e-003	7.2400e-003	0.0626	1.7000e-004	0.0198	1.2000e-004	0.0199	5.2400e-003	1.1000e-004	5.3600e-003		17.0123	17.0123	5.2000e-004		17.0252
Total	9.1000e-003	7.2400e-003	0.0626	1.7000e-004	0.0198	1.2000e-004	0.0199	5.2400e-003	1.1000e-004	5.3600e-003		17.0123	17.0123	5.2000e-004		17.0252

4.0 Operational Detail - Mobile

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4937	2.0281	5.4653	0.0153	1.4456	0.0161	1.4616	0.3862	0.0151	0.4012		1,542.6266	1,542.6266	0.0632		1,544.2076
Unmitigated	0.4937	2.0281	5.4653	0.0153	1.4456	0.0161	1.4616	0.3862	0.0151	0.4012		1,542.6266	1,542.6266	0.0632		1,544.2076

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	300.00	67.00	28.50	518,513	518,513
Total	300.00	67.00	28.50	518,513	518,513

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
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
NaturalGas Unmitigated	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1126.71	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
Total		0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421

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					
General Office Building	1.12671	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
Total		0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421

6.0 Area Detail

6.1 Mitigation Measures Area

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6940	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Unmitigated	0.6940	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003

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	0.1587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5350					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4000e-004	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Total	0.6940	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5350					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4000e-004	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			5.4700e-003	5.4700e-003	1.0000e-005	5.8300e-003
Total	0.6940	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			5.4700e-003	5.4700e-003	1.0000e-005	5.8300e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

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

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

Equipment Type	Number
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11.0 Vegetation

San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summary Report

San Luis Ranch Project - 2021 Start
San Luis Obispo County APCD, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	1.30	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Greenhouse Gas Emission Worksheet
N2O Mobile Emissions

San Luis Ranch Project - Unmitigated

From CalEEMod Vehicle Fleet Mix Output:

Annual VMT: 13,081,557

Vehicle Type	Percent Type***	CH4 Emission Factor (g/mile)*	CH4 Emission (g/mile)**	N2O Emission Factor (g/mile)*	N2O Emission (g/mile)**
Light Auto	55.0%	0.04	0.022	0.04	0.022
Light Truck < 3750 lbs	3.4%	0.05	0.0017	0.06	0.00204
Light Truck 3751-5750 lbs	19.9%	0.05	0.00995	0.06	0.01194
Med Truck 5751-8500 lbs	13.2%	0.12	0.01584	0.2	0.0264
Lite-Heavy Truck 8501-10,000 lbs	3.3%	0.12	0.00396	0.2	0.0066
Lite-Heavy Truck 10,001-14,000 lbs	0.8%	0.09	0.00072	0.125	0.001
Med-Heavy Truck 14,001-33,000 lbs	1.3%	0.06	0.00078	0.05	0.00065
Heavy-Heavy Truck 33,001-60,000 lbs	1.9%	0.06	0.00114	0.05	0.00095
Other Bus	0.2%	0.06	0.00012	0.05	0.0001
Urban Bus	0.1%	0.06	0.000066	0.05	0.000055
Motorcycle	0.6%	0.09	0.00054	0.01	0.00006
School Bus	0.1%	0.06	0.000048	0.05	0.00004
Motor Home	0.2%	0.09	0.000162	0.125	0.000225
Total	100.0%		0.057026		0.07206

Total Emissions (metric tons) =
Emission Factor by Vehicle Mix (g/mi) x Annual VMT(mi) x 0.000001 metric tons/g

Conversion to Carbon Dioxide Equivalency (CO2e) Units based on Global Warming Potential (GWP)****

CH4 21 GWP
 N2O 310 GWP
 1 ton (short, US) = 0.90718474 metric ton

Annual Mobile Emissions:

	Total Emissions	Total CO2e units
N2O Emissions:	0.9427 metric tons N2O	292.22 metric tons CO2e
Project Total:	292.22 metric tons CO2e	

References

* from Table C.4: Methane and Nitrous Oxide Emission Factors for Mobile Sources by Vehicle and Fuel Type (g/mile).
 in California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009.
 Assume Model year 2000-present, gasoline fueled.
 ** Source: California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009.
 *** From CalEEMod results for mobile sources
 ****GWPs are based on the 2007 IPCC's Fourth Assessment Report (AR4), and are consistent with 2014 CARB's Scoping Plan Update

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Annual

Mitigated - San Luis Ranch Project - 2017 Start
San Luis Obispo County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1.23	Acre	1.23	53,361.00	0
Parking Lot	1.00	Acre	1.00	43,560.00	0
Parking Lot	1.30	Acre	1.30	56,628.00	0
Single Family Housing	86.00	Dwelling Unit	8.00	154,800.00	246
Regional Shopping Center	50.00	1000sqft	1.15	50,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2019
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Annual

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 1, 2, and 6, and improvements to Fromm Ext and Madonna Rd

Construction Phase - No demolition in phases 1, 2, and 6. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading - Total import proportionally distributed by phase acreage.

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Energy Mitigation - Per Specific Plan, appliances will be energy efficient. Per MM AQ-3 Exceed Title 24

Water Mitigation -

Architectural Coating - Per MM AQ-2

Woodstoves - Per MM AQ-3

Construction Off-road Equipment Mitigation - Per MM AQ-2

Area Mitigation - Per MM AQ-3

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Annual

tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	150.00
tblGrading	MaterialImported	0.00	44,640.00
tblLandUse	BuildingSpaceSquareFeet	53,578.80	53,361.00
tblLandUse	LandUseSquareFeet	53,578.80	53,361.00
tblLandUse	LotAcreage	27.92	8.00
tblProjectCharacteristics	OperationalYear	2018	2019
tblVehicleTrips	ST_TR	49.97	10.38
tblVehicleTrips	ST_TR	9.91	5.29
tblVehicleTrips	SU_TR	25.24	5.24
tblVehicleTrips	SU_TR	8.62	4.61
tblVehicleTrips	WD_TR	42.70	8.87
tblVehicleTrips	WD_TR	9.52	5.09
tblWoodstoves	WoodstoveDayYear	60.00	0.00
tblWoodstoves	WoodstoveWoodMass	2,016.00	0.00

2.0 Emissions Summary

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2017	4-1-2017	2.8545	1.9128
2	4-2-2017	7-1-2017	1.1887	0.7087
3	7-2-2017	10-1-2017	1.2018	0.7165
4	10-2-2017	1-1-2018	1.5656	1.0455
5	1-2-2018	4-1-2018	1.3929	1.0053
6	4-2-2018	7-1-2018	0.5032	0.3513
		Highest	2.8545	1.9128

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	1.1492	0.0136	1.1774	6.0000e-005		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	1.9141	1.9141	1.8800e-003	0.0000	1.9611
Energy	0.0173	0.1483	0.0655	9.4000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	586.5434	586.5434	0.0221	7.0300e-003	589.1884
Mobile	0.3213	1.2896	3.4596	7.8700e-003	0.6478	0.0118	0.6596	0.1736	0.0111	0.1847	0.0000	718.0401	718.0401	0.0347	0.0000	718.9075
Waste						0.0000	0.0000		0.0000	0.0000	31.1307	0.0000	31.1307	1.8398	0.0000	77.1250
Water						0.0000	0.0000		0.0000	0.0000	2.9526	20.5581	23.5108	0.3042	7.3500e-003	33.3069
Total	1.4877	1.4516	4.7025	8.8700e-003	0.6478	0.0302	0.6780	0.1736	0.0295	0.2031	34.0833	1,327.0557	1,361.1390	2.2026	0.0144	1,420.4888

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, 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	1.1492	0.0136	1.1774	6.0000e-005		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	1.9141	1.9141	1.8800e-003	0.0000	1.9611
Energy	0.0141	0.1211	0.0535	7.7000e-004		9.7700e-003	9.7700e-003		9.7700e-003	9.7700e-003	0.0000	540.7106	540.7106	0.0208	6.3200e-003	543.1126
Mobile	0.3213	1.2896	3.4596	7.8700e-003	0.6478	0.0118	0.6596	0.1736	0.0111	0.1847	0.0000	718.0401	718.0401	0.0347	0.0000	718.9075
Waste						0.0000	0.0000		0.0000	0.0000	31.1307	0.0000	31.1307	1.8398	0.0000	77.1250
Water						0.0000	0.0000		0.0000	0.0000	2.9526	20.5581	23.5108	0.3042	7.3500e-003	33.3069
Total	1.4846	1.4244	4.6904	8.7000e-003	0.6478	0.0280	0.6758	0.1736	0.0274	0.2009	34.0833	1,281.2230	1,315.3063	2.2013	0.0137	1,374.4130

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.21	1.87	0.26	1.92	0.00	7.25	0.32	0.00	7.41	1.08	0.00	3.45	3.37	0.06	4.94	3.24

3.0 Construction Detail

Construction Phase

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/2/2017	1/13/2017	5	10	
2	Grading	Grading	1/16/2017	2/24/2017	5	30	
3	Building Construction	Building Construction	2/27/2017	4/20/2018	5	300	
4	Architectural Coating	Architectural Coating	10/2/2017	4/27/2018	5	150	
5	Paving	Paving	4/23/2018	5/18/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 3.53

Residential Indoor: 313,470; Residential Outdoor: 104,490; Non-Residential Indoor: 75,000; Non-Residential Outdoor: 25,000; Striped Parking Area: 9,213 (Architectural Coating – sqft)

OffRoad Equipment

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	5,580.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	111.00	43.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Annual

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Clean Paved Roads

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0248	0.2614	0.1173	1.9000e-004		0.0144	0.0144		0.0132	0.0132	0.0000	17.6672	17.6672	5.4100e-003	0.0000	17.8025
Total	0.0248	0.2614	0.1173	1.9000e-004	0.0903	0.0144	0.1047	0.0497	0.0132	0.0629	0.0000	17.6672	17.6672	5.4100e-003	0.0000	17.8025

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3.2 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	5.5000e-004	5.4000e-004	4.6600e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7921	0.7921	4.0000e-005	0.0000	0.7930
Total	5.5000e-004	5.4000e-004	4.6600e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7921	0.7921	4.0000e-005	0.0000	0.7930

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6600e-003	0.0953	0.1148	1.9000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003	0.0000	17.6672	17.6672	5.4100e-003	0.0000	17.8025
Total	4.6600e-003	0.0953	0.1148	1.9000e-004	0.0903	2.3700e-003	0.0927	0.0497	2.3700e-003	0.0520	0.0000	17.6672	17.6672	5.4100e-003	0.0000	17.8025

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3.2 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	5.5000e-004	5.4000e-004	4.6600e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7921	0.7921	4.0000e-005	0.0000	0.7930
Total	5.5000e-004	5.4000e-004	4.6600e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7921	0.7921	4.0000e-005	0.0000	0.7930

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1342	0.0000	0.1342	0.0546	0.0000	0.0546	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0862	1.0191	0.5817	9.3000e-004		0.0461	0.0461		0.0424	0.0424	0.0000	86.3398	86.3398	0.0265	0.0000	87.0011
Total	0.0862	1.0191	0.5817	9.3000e-004	0.1342	0.0461	0.1803	0.0546	0.0424	0.0970	0.0000	86.3398	86.3398	0.0265	0.0000	87.0011

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3.3 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0398	1.1340	0.2632	2.2600e-003	0.0475	0.0108	0.0583	0.0130	0.0103	0.0233	0.0000	219.9381	219.9381	0.0124	0.0000	220.2484
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8300e-003	1.7900e-003	0.0156	3.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.6404	2.6404	1.2000e-004	0.0000	2.6435
Total	0.0416	1.1358	0.2787	2.2900e-003	0.0504	0.0108	0.0612	0.0138	0.0103	0.0241	0.0000	222.5785	222.5785	0.0125	0.0000	222.8919

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1342	0.0000	0.1342	0.0546	0.0000	0.0546	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0229	0.4497	0.5508	9.3000e-004		9.7500e-003	9.7500e-003		9.7500e-003	9.7500e-003	0.0000	86.3397	86.3397	0.0265	0.0000	87.0010
Total	0.0229	0.4497	0.5508	9.3000e-004	0.1342	9.7500e-003	0.1440	0.0546	9.7500e-003	0.0643	0.0000	86.3397	86.3397	0.0265	0.0000	87.0010

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3.3 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0398	1.1340	0.2632	2.2600e-003	0.0475	0.0108	0.0583	0.0130	0.0103	0.0233	0.0000	219.9381	219.9381	0.0124	0.0000	220.2484
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8300e-003	1.7900e-003	0.0156	3.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.6404	2.6404	1.2000e-004	0.0000	2.6435
Total	0.0416	1.1358	0.2787	2.2900e-003	0.0504	0.0108	0.0612	0.0138	0.0103	0.0241	0.0000	222.5785	222.5785	0.0125	0.0000	222.8919

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3426	2.9210	2.0001	2.9600e-003		0.1967	0.1967		0.1847	0.1847	0.0000	264.5421	264.5421	0.0652	0.0000	266.1715
Total	0.3426	2.9210	2.0001	2.9600e-003		0.1967	0.1967		0.1847	0.1847	0.0000	264.5421	264.5421	0.0652	0.0000	266.1715

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3.4 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0292	0.6001	0.2142	9.5000e-004	0.0215	6.5100e-003	0.0280	6.2000e-003	6.2200e-003	0.0124	0.0000	91.2452	91.2452	6.3700e-003	0.0000	91.4044
Worker	0.0747	0.0727	0.6327	1.1900e-003	0.1176	8.7000e-004	0.1184	0.0312	8.0000e-004	0.0320	0.0000	107.4652	107.4652	4.9600e-003	0.0000	107.5892
Total	0.1039	0.6727	0.8469	2.1400e-003	0.1390	7.3800e-003	0.1464	0.0374	7.0200e-003	0.0445	0.0000	198.7104	198.7104	0.0113	0.0000	198.9936

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0741	1.5649	1.9661	2.9600e-003		0.0497	0.0497		0.0497	0.0497	0.0000	264.5418	264.5418	0.0652	0.0000	266.1712
Total	0.0741	1.5649	1.9661	2.9600e-003		0.0497	0.0497		0.0497	0.0497	0.0000	264.5418	264.5418	0.0652	0.0000	266.1712

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3.4 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0292	0.6001	0.2142	9.5000e-004	0.0215	6.5100e-003	0.0280	6.2000e-003	6.2200e-003	0.0124	0.0000	91.2452	91.2452	6.3700e-003	0.0000	91.4044
Worker	0.0747	0.0727	0.6327	1.1900e-003	0.1176	8.7000e-004	0.1184	0.0312	8.0000e-004	0.0320	0.0000	107.4652	107.4652	4.9600e-003	0.0000	107.5892
Total	0.1039	0.6727	0.8469	2.1400e-003	0.1390	7.3800e-003	0.1464	0.0374	7.0200e-003	0.0445	0.0000	198.7104	198.7104	0.0113	0.0000	198.9936

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1072	0.9356	0.7032	1.0800e-003		0.0600	0.0600		0.0564	0.0564	0.0000	95.1069	95.1069	0.0233	0.0000	95.6894
Total	0.1072	0.9356	0.7032	1.0800e-003		0.0600	0.0600		0.0564	0.0564	0.0000	95.1069	95.1069	0.0233	0.0000	95.6894

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3.4 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2500e-003	0.2064	0.0697	3.5000e-004	7.8100e-003	1.9100e-003	9.7200e-003	2.2600e-003	1.8300e-003	4.0900e-003	0.0000	33.2251	33.2251	2.2100e-003	0.0000	33.2802
Worker	0.0238	0.0229	0.1980	4.2000e-004	0.0427	3.0000e-004	0.0430	0.0114	2.8000e-004	0.0116	0.0000	38.0196	38.0196	1.5700e-003	0.0000	38.0588
Total	0.0330	0.2293	0.2678	7.7000e-004	0.0506	2.2100e-003	0.0528	0.0136	2.1100e-003	0.0157	0.0000	71.2447	71.2447	3.7800e-003	0.0000	71.3390

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0270	0.5690	0.7150	1.0800e-003		0.0181	0.0181		0.0181	0.0181	0.0000	95.1068	95.1068	0.0233	0.0000	95.6893
Total	0.0270	0.5690	0.7150	1.0800e-003		0.0181	0.0181		0.0181	0.0181	0.0000	95.1068	95.1068	0.0233	0.0000	95.6893

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3.4 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2500e-003	0.2064	0.0697	3.5000e-004	7.8100e-003	1.9100e-003	9.7200e-003	2.2600e-003	1.8300e-003	4.0900e-003	0.0000	33.2251	33.2251	2.2100e-003	0.0000	33.2802
Worker	0.0238	0.0229	0.1980	4.2000e-004	0.0427	3.0000e-004	0.0430	0.0114	2.8000e-004	0.0116	0.0000	38.0196	38.0196	1.5700e-003	0.0000	38.0588
Total	0.0330	0.2293	0.2678	7.7000e-004	0.0506	2.2100e-003	0.0528	0.0136	2.1100e-003	0.0157	0.0000	71.2447	71.2447	3.7800e-003	0.0000	71.3390

3.5 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2647					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.0710	0.0607	1.0000e-004		5.6300e-003	5.6300e-003		5.6300e-003	5.6300e-003	0.0000	8.2981	8.2981	8.8000e-004	0.0000	8.3200
Total	0.2755	0.0710	0.0607	1.0000e-004		5.6300e-003	5.6300e-003		5.6300e-003	5.6300e-003	0.0000	8.2981	8.2981	8.8000e-004	0.0000	8.3200

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3.5 Architectural Coating - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	4.3700e-003	4.2600e-003	0.0371	7.0000e-005	6.8800e-003	5.0000e-005	6.9300e-003	1.8300e-003	5.0000e-005	1.8800e-003	0.0000	6.2930	6.2930	2.9000e-004	0.0000	6.3003
Total	4.3700e-003	4.2600e-003	0.0371	7.0000e-005	6.8800e-003	5.0000e-005	6.9300e-003	1.8300e-003	5.0000e-005	1.8800e-003	0.0000	6.2930	6.2930	2.9000e-004	0.0000	6.3003

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2647					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9300e-003	0.0441	0.0596	1.0000e-004		1.5500e-003	1.5500e-003		1.5500e-003	1.5500e-003	0.0000	8.2981	8.2981	8.8000e-004	0.0000	8.3200
Total	0.2666	0.0441	0.0596	1.0000e-004		1.5500e-003	1.5500e-003		1.5500e-003	1.5500e-003	0.0000	8.2981	8.2981	8.8000e-004	0.0000	8.3200

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3.5 Architectural Coating - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	4.3700e-003	4.2600e-003	0.0371	7.0000e-005	6.8800e-003	5.0000e-005	6.9300e-003	1.8300e-003	5.0000e-005	1.8800e-003	0.0000	6.2930	6.2930	2.9000e-004	0.0000	6.3003
Total	4.3700e-003	4.2600e-003	0.0371	7.0000e-005	6.8800e-003	5.0000e-005	6.9300e-003	1.8300e-003	5.0000e-005	1.8800e-003	0.0000	6.2930	6.2930	2.9000e-004	0.0000	6.3003

3.5 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3462					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.0852	0.0788	1.3000e-004		6.4000e-003	6.4000e-003		6.4000e-003	6.4000e-003	0.0000	10.8514	10.8514	1.0300e-003	0.0000	10.8771
Total	0.3588	0.0852	0.0788	1.3000e-004		6.4000e-003	6.4000e-003		6.4000e-003	6.4000e-003	0.0000	10.8514	10.8514	1.0300e-003	0.0000	10.8771

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Annual

3.5 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	5.0000e-003	4.8200e-003	0.0417	9.0000e-005	9.0000e-003	6.0000e-005	9.0600e-003	2.3900e-003	6.0000e-005	2.4500e-003	0.0000	8.0064	8.0064	3.3000e-004	0.0000	8.0146
Total	5.0000e-003	4.8200e-003	0.0417	9.0000e-005	9.0000e-003	6.0000e-005	9.0600e-003	2.3900e-003	6.0000e-005	2.4500e-003	0.0000	8.0064	8.0064	3.3000e-004	0.0000	8.0146

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3462					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5300e-003	0.0577	0.0779	1.3000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.0000	10.8513	10.8513	1.0300e-003	0.0000	10.8771
Total	0.3487	0.0577	0.0779	1.3000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.0000	10.8513	10.8513	1.0300e-003	0.0000	10.8771

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3.5 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	5.0000e-003	4.8200e-003	0.0417	9.0000e-005	9.0000e-003	6.0000e-005	9.0600e-003	2.3900e-003	6.0000e-005	2.4500e-003	0.0000	8.0064	8.0064	3.3000e-004	0.0000	8.0146
Total	5.0000e-003	4.8200e-003	0.0417	9.0000e-005	9.0000e-003	6.0000e-005	9.0600e-003	2.3900e-003	6.0000e-005	2.4500e-003	0.0000	8.0064	8.0064	3.3000e-004	0.0000	8.0146

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0164	0.1752	0.1480	2.3000e-004		9.5600e-003	9.5600e-003		8.8000e-003	8.8000e-003	0.0000	20.8116	20.8116	6.4800e-003	0.0000	20.9736
Paving	4.6200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0211	0.1752	0.1480	2.3000e-004		9.5600e-003	9.5600e-003		8.8000e-003	8.8000e-003	0.0000	20.8116	20.8116	6.4800e-003	0.0000	20.9736

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Annual

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	8.0000e-004	7.7000e-004	6.6900e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2845	1.2845	5.0000e-005	0.0000	1.2858
Total	8.0000e-004	7.7000e-004	6.6900e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2845	1.2845	5.0000e-005	0.0000	1.2858

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.6100e-003	0.1130	0.1730	2.3000e-004		3.0500e-003	3.0500e-003		3.0500e-003	3.0500e-003	0.0000	20.8116	20.8116	6.4800e-003	0.0000	20.9736
Paving	4.6200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0102	0.1130	0.1730	2.3000e-004		3.0500e-003	3.0500e-003		3.0500e-003	3.0500e-003	0.0000	20.8116	20.8116	6.4800e-003	0.0000	20.9736

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Annual

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	8.0000e-004	7.7000e-004	6.6900e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2845	1.2845	5.0000e-005	0.0000	1.2858
Total	8.0000e-004	7.7000e-004	6.6900e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2845	1.2845	5.0000e-005	0.0000	1.2858

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, 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	0.3213	1.2896	3.4596	7.8700e-003	0.6478	0.0118	0.6596	0.1736	0.0111	0.1847	0.0000	718.0401	718.0401	0.0347	0.0000	718.9075
Unmitigated	0.3213	1.2896	3.4596	7.8700e-003	0.6478	0.0118	0.6596	0.1736	0.0111	0.1847	0.0000	718.0401	718.0401	0.0347	0.0000	718.9075

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	443.50	519.00	262.00	618,505	618,505
Single Family Housing	437.74	454.94	396.46	1,103,798	1,103,798
Total	881.24	973.94	658.46	1,722,303	1,722,303

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
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Annual

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852
Parking Lot	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852
Parking Lot	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852
Single Family Housing	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852
Regional Shopping Center	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	400.7372	400.7372	0.0181	3.7500e-003	402.3074
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	415.1963	415.1963	0.0188	3.8800e-003	416.8232
NaturalGas Mitigated	0.0141	0.1211	0.0535	7.7000e-004		9.7700e-003	9.7700e-003		9.7700e-003	9.7700e-003	0.0000	139.9735	139.9735	2.6800e-003	2.5700e-003	140.8053
NaturalGas Unmitigated	0.0173	0.1483	0.0655	9.4000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	171.3470	171.3470	3.2800e-003	3.1400e-003	172.3653

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, 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					
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
Regional Shopping Center	119000	6.4000e-004	5.8300e-003	4.9000e-003	4.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	6.3503	6.3503	1.2000e-004	1.2000e-004	6.3880
Single Family Housing	3.09192e+006	0.0167	0.1425	0.0606	9.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	164.9967	164.9967	3.1600e-003	3.0200e-003	165.9772
Total		0.0173	0.1483	0.0655	9.5000e-004		0.0120	0.0120		0.0120	0.0120	0.0000	171.3470	171.3470	3.2800e-003	3.1400e-003	172.3653

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					
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
Regional Shopping Center	95200	5.1000e-004	4.6700e-003	3.9200e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	5.0802	5.0802	1.0000e-004	9.0000e-005	5.1104
Single Family Housing	2.5278e+006	0.0136	0.1165	0.0496	7.4000e-004		9.4200e-003	9.4200e-003		9.4200e-003	9.4200e-003	0.0000	134.8932	134.8932	2.5900e-003	2.4700e-003	135.6948
Total		0.0141	0.1212	0.0535	7.7000e-004		9.7700e-003	9.7700e-003		9.7700e-003	9.7700e-003	0.0000	139.9735	139.9735	2.6900e-003	2.5600e-003	140.8052

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Annual

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	38332.8	11.1515	5.0000e-004	1.0000e-004	11.1952
Parking Lot	46957.7	13.6605	6.2000e-004	1.3000e-004	13.7141
Parking Lot	49832.6	14.4969	6.6000e-004	1.4000e-004	14.5537
Regional Shopping Center	547500	159.2740	7.2000e-003	1.4900e-003	159.8981
Single Family Housing	744603	216.6134	9.7900e-003	2.0300e-003	217.4622
Total		415.1963	0.0188	3.8900e-003	416.8232

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Annual

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	38332.8	11.1515	5.0000e-004	1.0000e-004	11.1952
Parking Lot	46957.7	13.6605	6.2000e-004	1.3000e-004	13.7141
Parking Lot	49832.6	14.4969	6.6000e-004	1.4000e-004	14.5537
Regional Shopping Center	518600	150.8667	6.8200e-003	1.4100e-003	151.4578
Single Family Housing	723800	210.5616	9.5200e-003	1.9700e-003	211.3867
Total		400.7372	0.0181	3.7500e-003	402.3074

6.0 Area Detail**6.1 Mitigation Measures Area**

No Hearths Installed

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, 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	1.1492	0.0136	1.1774	6.0000e-005		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	1.9141	1.9141	1.8800e-003	0.0000	1.9611
Unmitigated	1.1492	0.0136	1.1774	6.0000e-005		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	1.9141	1.9141	1.8800e-003	0.0000	1.9611

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	0.3033					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8098					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	0.0361	0.0136	1.1774	6.0000e-005		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	1.9141	1.9141	1.8800e-003	0.0000	1.9611
Total	1.1492	0.0136	1.1774	6.0000e-005		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	1.9141	1.9141	1.8800e-003	0.0000	1.9611

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, 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	0.3033					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8098					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	0.0361	0.0136	1.1774	6.0000e-005		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	1.9141	1.9141	1.8800e-003	0.0000	1.9611
Total	1.1492	0.0136	1.1774	6.0000e-005		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	1.9141	1.9141	1.8800e-003	0.0000	1.9611

7.0 Water Detail

7.1 Mitigation Measures Water

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	23.5108	0.3042	7.3500e-003	33.3069
Unmitigated	23.5108	0.3042	7.3500e-003	33.3069

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	3.70363 / 2.26996	9.3162	0.1211	2.9300e-003	13.2144
Single Family Housing	5.60325 / 3.53248	14.1946	0.1831	4.4300e-003	20.0925
Total		23.5108	0.3042	7.3600e-003	33.3069

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	3.70363 / 2.26996	9.3162	0.1211	2.9300e-003	13.2144
Single Family Housing	5.60325 / 3.53248	14.1946	0.1831	4.4300e-003	20.0925
Total		23.5108	0.3042	7.3600e-003	33.3069

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	31.1307	1.8398	0.0000	77.1250
Unmitigated	31.1307	1.8398	0.0000	77.1250

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	52.5	10.6570	0.6298	0.0000	26.4023
Single Family Housing	100.86	20.4737	1.2100	0.0000	50.7227
Total		31.1307	1.8398	0.0000	77.1250

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	52.5	10.6570	0.6298	0.0000	26.4023
Single Family Housing	100.86	20.4737	1.2100	0.0000	50.7227
Total		31.1307	1.8398	0.0000	77.1250

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

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Annual

11.0 Vegetation

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

Mitigated - San Luis Ranch Project - 2017 Start
San Luis Obispo County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1.23	Acre	1.23	53,361.00	0
Parking Lot	1.00	Acre	1.00	43,560.00	0
Parking Lot	1.30	Acre	1.30	56,628.00	0
Single Family Housing	86.00	Dwelling Unit	8.00	154,800.00	246
Regional Shopping Center	50.00	1000sqft	1.15	50,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2019
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 1, 2, and 6, and improvements to Fromm Ext and Madonna Rd

Construction Phase - No demolition in phases 1, 2, and 6. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading - Total import proportionally distributed by phase acreage.

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Energy Mitigation - Per Specific Plan, appliances will be energy efficient. Per MM AQ-3 Exceed Title 24

Water Mitigation -

Architectural Coating - Per MM AQ-2

Woodstoves - Per MM AQ-3

Construction Off-road Equipment Mitigation - Per MM AQ-2

Area Mitigation - Per MM AQ-3

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	150.00
tblGrading	MaterialImported	0.00	44,640.00
tblLandUse	BuildingSpaceSquareFeet	53,578.80	53,361.00
tblLandUse	LandUseSquareFeet	53,578.80	53,361.00
tblLandUse	LotAcreage	27.92	8.00
tblProjectCharacteristics	OperationalYear	2018	2019
tblVehicleTrips	ST_TR	49.97	10.38
tblVehicleTrips	ST_TR	9.91	5.29
tblVehicleTrips	SU_TR	25.24	5.24
tblVehicleTrips	SU_TR	8.62	4.61
tblVehicleTrips	WD_TR	42.70	8.87
tblVehicleTrips	WD_TR	9.52	5.09
tblWoodstoves	WoodstoveDayYear	60.00	0.00
tblWoodstoves	WoodstoveWoodMass	2,016.00	0.00

2.0 Emissions Summary

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.3178	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391	0.0000	12.7872	12.7872	0.0126	0.0000	13.1015
Energy	0.0949	0.8126	0.3591	5.1700e-003		0.0656	0.0656		0.0656	0.0656		1,034.9466	1,034.9466	0.0198	0.0190	1,041.0968
Mobile	2.0776	7.5945	20.8086	0.0495	4.0423	0.0715	4.1139	1.0808	0.0676	1.1484		4,977.7921	4,977.7921	0.2324		4,983.6018
Total	8.4902	8.4898	28.3034	0.0550	4.0423	0.1762	4.2185	1.0808	0.1722	1.2530	0.0000	6,025.5259	6,025.5259	0.2648	0.0190	6,037.8001

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.3178	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391	0.0000	12.7872	12.7872	0.0126	0.0000	13.1015
Energy	0.0775	0.6638	0.2931	4.2300e-003		0.0536	0.0536		0.0536	0.0536		845.4484	845.4484	0.0162	0.0155	850.4724
Mobile	2.0776	7.5945	20.8086	0.0495	4.0423	0.0715	4.1139	1.0808	0.0676	1.1484		4,977.7921	4,977.7921	0.2324		4,983.6018
Total	8.4729	8.3410	28.2375	0.0541	4.0423	0.1642	4.2065	1.0808	0.1602	1.2410	0.0000	5,836.0277	5,836.0277	0.2612	0.0155	5,847.1757

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.20	1.75	0.23	1.71	0.00	6.81	0.28	0.00	6.97	0.96	0.00	3.14	3.14	1.37	18.29	3.16

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/2/2017	1/13/2017	5	10	
2	Grading	Grading	1/16/2017	2/24/2017	5	30	
3	Building Construction	Building Construction	2/27/2017	4/20/2018	5	300	
4	Architectural Coating	Architectural Coating	10/2/2017	4/27/2018	5	150	
5	Paving	Paving	4/23/2018	5/18/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 3.53

Residential Indoor: 313,470; Residential Outdoor: 104,490; Non-Residential Indoor: 75,000; Non-Residential Outdoor: 25,000; Striped Parking Area: 9,213 (Architectural Coating – sqft)

OffRoad Equipment

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	5,580.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	111.00	43.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Clean Paved Roads

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.9608	52.2754	23.4554	0.0380		2.8786	2.8786		2.6483	2.6483		3,894.950 0	3,894.950 0	1.1934		3,924.785 2
Total	4.9608	52.2754	23.4554	0.0380	18.0663	2.8786	20.9448	9.9307	2.6483	12.5790		3,894.950 0	3,894.950 0	1.1934		3,924.785 2

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.2 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1074	0.0962	0.9501	1.8300e-003	0.1780	1.2800e-003	0.1792	0.0472	1.1900e-003	0.0484		181.6904	181.6904	8.2200e-003		181.8959
Total	0.1074	0.0962	0.9501	1.8300e-003	0.1780	1.2800e-003	0.1792	0.0472	1.1900e-003	0.0484		181.6904	181.6904	8.2200e-003		181.8959

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9312	19.0656	22.9600	0.0380		0.4731	0.4731		0.4731	0.4731	0.0000	3,894.9500	3,894.9500	1.1934		3,924.7852
Total	0.9312	19.0656	22.9600	0.0380	18.0663	0.4731	18.5393	9.9307	0.4731	10.4038	0.0000	3,894.9500	3,894.9500	1.1934		3,924.7852

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.2 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1074	0.0962	0.9501	1.8300e-003	0.1780	1.2800e-003	0.1792	0.0472	1.1900e-003	0.0484		181.6904	181.6904	8.2200e-003		181.8959
Total	0.1074	0.0962	0.9501	1.8300e-003	0.1780	1.2800e-003	0.1792	0.0472	1.1900e-003	0.0484		181.6904	181.6904	8.2200e-003		181.8959

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.9472	0.0000	8.9472	3.6380	0.0000	3.6380			0.0000			0.0000
Off-Road	5.7483	67.9396	38.7826	0.0620		3.0727	3.0727		2.8269	2.8269		6,344.8863	6,344.8863	1.9441		6,393.4879
Total	5.7483	67.9396	38.7826	0.0620	8.9472	3.0727	12.0199	3.6380	2.8269	6.4649		6,344.8863	6,344.8863	1.9441		6,393.4879

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.3 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.6259	73.9973	17.0575	0.1516	3.2418	0.7132	3.9550	0.8878	0.6824	1.5701		16,250.6472	16,250.6472	0.8973		16,273.0791
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1193	0.1069	1.0556	2.0300e-003	0.1977	1.4200e-003	0.1992	0.0524	1.3200e-003	0.0538		201.8782	201.8782	9.1300e-003		202.1066
Total	2.7453	74.1042	18.1131	0.1537	3.4395	0.7147	4.1542	0.9402	0.6837	1.6239		16,452.5254	16,452.5254	0.9064		16,475.1856

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.9472	0.0000	8.9472	3.6380	0.0000	3.6380			0.0000			0.0000
Off-Road	1.5231	29.9782	36.7226	0.0620		0.6497	0.6497		0.6497	0.6497	0.0000	6,344.8863	6,344.8863	1.9441		6,393.4878
Total	1.5231	29.9782	36.7226	0.0620	8.9472	0.6497	9.5969	3.6380	0.6497	4.2877	0.0000	6,344.8863	6,344.8863	1.9441		6,393.4878

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.3 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.6259	73.9973	17.0575	0.1516	3.2418	0.7132	3.9550	0.8878	0.6824	1.5701		16,250.6472	16,250.6472	0.8973		16,273.0791
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1193	0.1069	1.0556	2.0300e-003	0.1977	1.4200e-003	0.1992	0.0524	1.3200e-003	0.0538		201.8782	201.8782	9.1300e-003		202.1066
Total	2.7453	74.1042	18.1131	0.1537	3.4395	0.7147	4.1542	0.9402	0.6837	1.6239		16,452.5254	16,452.5254	0.9064		16,475.1856

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1149	26.5546	18.1825	0.0269		1.7879	1.7879		1.6791	1.6791		2,650.9797	2,650.9797	0.6531		2,667.3078
Total	3.1149	26.5546	18.1825	0.0269		1.7879	1.7879		1.6791	1.6791		2,650.9797	2,650.9797	0.6531		2,667.3078

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.4 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2599	5.3897	1.8358	8.7300e-003	0.1995	0.0586	0.2581	0.0575	0.0560	0.1135		924.9468	924.9468	0.0618		926.4905
Worker	0.6622	0.5934	5.8587	0.0113	1.0974	7.9000e-003	1.1053	0.2910	7.3200e-003	0.2984		1,120.4241	1,120.4241	0.0507		1,121.6913
Total	0.9222	5.9831	7.6945	0.0200	1.2969	0.0665	1.3633	0.3485	0.0634	0.4118		2,045.3710	2,045.3710	0.1124		2,048.1819

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,650.9797	2,650.9797	0.6531		2,667.3078
Total	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,650.9797	2,650.9797	0.6531		2,667.3078

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.4 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2599	5.3897	1.8358	8.7300e-003	0.1995	0.0586	0.2581	0.0575	0.0560	0.1135		924.9468	924.9468	0.0618		926.4905
Worker	0.6622	0.5934	5.8587	0.0113	1.0974	7.9000e-003	1.1053	0.2910	7.3200e-003	0.2984		1,120.4241	1,120.4241	0.0507		1,121.6913
Total	0.9222	5.9831	7.6945	0.0200	1.2969	0.0665	1.3633	0.3485	0.0634	0.4118		2,045.3710	2,045.3710	0.1124		2,048.1819

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.4 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2262	5.1028	1.6406	8.7300e-003	0.1995	0.0474	0.2469	0.0575	0.0453	0.1028		926.6986	926.6986	0.0588		928.1688
Worker	0.5808	0.5139	5.0685	0.0110	1.0974	7.5000e-003	1.1049	0.2910	6.9400e-003	0.2980		1,090.1903	1,090.1903	0.0441		1,091.2938
Total	0.8069	5.6166	6.7090	0.0197	1.2969	0.0549	1.3517	0.3485	0.0522	0.4007		2,016.8889	2,016.8889	0.1030		2,019.4626

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.4 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2262	5.1028	1.6406	8.7300e-003	0.1995	0.0474	0.2469	0.0575	0.0453	0.1028		926.6986	926.6986	0.0588		928.1688
Worker	0.5808	0.5139	5.0685	0.0110	1.0974	7.5000e-003	1.1049	0.2910	6.9400e-003	0.2980		1,090.1903	1,090.1903	0.0441		1,091.2938
Total	0.8069	5.6166	6.7090	0.0197	1.2969	0.0549	1.3517	0.3485	0.0522	0.4007		2,016.8889	2,016.8889	0.1030		2,019.4626

3.5 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.1448					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.1909
Total	8.4771	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.1909

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.5 Architectural Coating - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1313	0.1176	1.1612	2.2400e-003	0.2175	1.5700e-003	0.2191	0.0577	1.4500e-003	0.0591		222.0661	222.0661	0.0101		222.3172
Total	0.1313	0.1176	1.1612	2.2400e-003	0.2175	1.5700e-003	0.2191	0.0577	1.4500e-003	0.0591		222.0661	222.0661	0.0101		222.3172

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.1448					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0297		282.1909
Total	8.2043	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0297		282.1909

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.5 Architectural Coating - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1313	0.1176	1.1612	2.2400e-003	0.2175	1.5700e-003	0.2191	0.0577	1.4500e-003	0.0591		222.0661	222.0661	0.0101		222.3172
Total	0.1313	0.1176	1.1612	2.2400e-003	0.2175	1.5700e-003	0.2191	0.0577	1.4500e-003	0.0591		222.0661	222.0661	0.0101		222.3172

3.5 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.1448					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	8.4435	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.5 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1151	0.1018	1.0046	2.1700e-003	0.2175	1.4900e-003	0.2190	0.0577	1.3700e-003	0.0591		216.0738	216.0738	8.7500e-003		216.2925
Total	0.1151	0.1018	1.0046	2.1700e-003	0.2175	1.4900e-003	0.2190	0.0577	1.3700e-003	0.0591		216.0738	216.0738	8.7500e-003		216.2925

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.1448					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4485	281.4485	0.0267		282.1171
Total	8.2043	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4485	281.4485	0.0267		282.1171

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.5 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1151	0.1018	1.0046	2.1700e-003	0.2175	1.4900e-003	0.2190	0.0577	1.3700e-003	0.0591		216.0738	216.0738	8.7500e-003		216.2925
Total	0.1151	0.1018	1.0046	2.1700e-003	0.2175	1.4900e-003	0.2190	0.0577	1.3700e-003	0.0591		216.0738	216.0738	8.7500e-003		216.2925

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.4624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.1061	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0785	0.0694	0.6849	1.4800e-003	0.1483	1.0100e-003	0.1493	0.0393	9.4000e-004	0.0403		147.3230	147.3230	5.9600e-003		147.4721
Total	0.0785	0.0694	0.6849	1.4800e-003	0.1483	1.0100e-003	0.1493	0.0393	9.4000e-004	0.0403		147.3230	147.3230	5.9600e-003		147.4721

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.3047	0.3047		0.3047	0.3047	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.4624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0234	11.2952	17.2957	0.0228		0.3047	0.3047		0.3047	0.3047	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0785	0.0694	0.6849	1.4800e-003	0.1483	1.0100e-003	0.1493	0.0393	9.4000e-004	0.0403		147.3230	147.3230	5.9600e-003		147.4721
Total	0.0785	0.0694	0.6849	1.4800e-003	0.1483	1.0100e-003	0.1493	0.0393	9.4000e-004	0.0403		147.3230	147.3230	5.9600e-003		147.4721

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0776	7.5945	20.8086	0.0495	4.0423	0.0715	4.1139	1.0808	0.0676	1.1484		4,977.792 1	4,977.792 1	0.2324		4,983.601 8
Unmitigated	2.0776	7.5945	20.8086	0.0495	4.0423	0.0715	4.1139	1.0808	0.0676	1.1484		4,977.792 1	4,977.792 1	0.2324		4,983.601 8

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	443.50	519.00	262.00	618,505	618,505
Single Family Housing	437.74	454.94	396.46	1,103,798	1,103,798
Total	881.24	973.94	658.46	1,722,303	1,722,303

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
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852
Parking Lot	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852
Parking Lot	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852
Single Family Housing	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852
Regional Shopping Center	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0775	0.6638	0.2931	4.2300e-003		0.0536	0.0536		0.0536	0.0536		845.4484	845.4484	0.0162	0.0155	850.4724
NaturalGas Unmitigated	0.0949	0.8126	0.3591	5.1700e-003		0.0656	0.0656		0.0656	0.0656		1,034.9466	1,034.9466	0.0198	0.0190	1,041.0968

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Regional Shopping Center	326.027	3.5200e-003	0.0320	0.0269	1.9000e-004		2.4300e-003	2.4300e-003		2.4300e-003	2.4300e-003		38.3562	38.3562	7.4000e-004	7.0000e-004	38.5841
Single Family Housing	8471.02	0.0914	0.7807	0.3322	4.9800e-003		0.0631	0.0631		0.0631	0.0631		996.5905	996.5905	0.0191	0.0183	1,002.5127
Total		0.0949	0.8126	0.3591	5.1700e-003		0.0656	0.0656		0.0656	0.0656		1,034.9466	1,034.9466	0.0198	0.0190	1,041.0968

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					
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
Regional Shopping Center	0.260822	2.8100e-003	0.0256	0.0215	1.5000e-004		1.9400e-003	1.9400e-003		1.9400e-003	1.9400e-003		30.6849	30.6849	5.9000e-004	5.6000e-004	30.8673
Single Family Housing	6.92549	0.0747	0.6382	0.2716	4.0700e-003		0.0516	0.0516		0.0516	0.0516		814.7634	814.7634	0.0156	0.0149	819.6052
Total		0.0775	0.6638	0.2931	4.2200e-003		0.0535	0.0535		0.0535	0.0535		845.4484	845.4484	0.0162	0.0155	850.4724

6.0 Area Detail

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

6.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.3178	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391	0.0000	12.7872	12.7872	0.0126	0.0000	13.1015
Unmitigated	6.3178	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391	0.0000	12.7872	12.7872	0.0126	0.0000	13.1015

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.6619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.4371					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	0.2188	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391		12.7872	12.7872	0.0126		13.1015
Total	6.3178	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391	0.0000	12.7872	12.7872	0.0126	0.0000	13.1015

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.6619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.4371					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	0.2188	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391		12.7872	12.7872	0.0126		13.1015
Total	6.3178	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391	0.0000	12.7872	12.7872	0.0126	0.0000	13.1015

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summer

Fire Pumps and Emergency Generators

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

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

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

11.0 Vegetation

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

Mitigated - San Luis Ranch Project - 2017 Start
San Luis Obispo County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1.23	Acre	1.23	53,361.00	0
Parking Lot	1.00	Acre	1.00	43,560.00	0
Parking Lot	1.30	Acre	1.30	56,628.00	0
Single Family Housing	86.00	Dwelling Unit	8.00	154,800.00	246
Regional Shopping Center	50.00	1000sqft	1.15	50,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2019
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 1, 2, and 6, and improvements to Fromm Ext and Madonna Rd

Construction Phase - No demolition in phases 1, 2, and 6. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading - Total import proportionally distributed by phase acreage.

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Energy Mitigation - Per Specific Plan, appliances will be energy efficient. Per MM AQ-3 Exceed Title 24

Water Mitigation -

Architectural Coating - Per MM AQ-2

Woodstoves - Per MM AQ-3

Construction Off-road Equipment Mitigation - Per MM AQ-2

Area Mitigation - Per MM AQ-3

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	150.00
tblGrading	MaterialImported	0.00	44,640.00
tblLandUse	BuildingSpaceSquareFeet	53,578.80	53,361.00
tblLandUse	LandUseSquareFeet	53,578.80	53,361.00
tblLandUse	LotAcreage	27.92	8.00
tblProjectCharacteristics	OperationalYear	2018	2019
tblVehicleTrips	ST_TR	49.97	10.38
tblVehicleTrips	ST_TR	9.91	5.29
tblVehicleTrips	SU_TR	25.24	5.24
tblVehicleTrips	SU_TR	8.62	4.61
tblVehicleTrips	WD_TR	42.70	8.87
tblVehicleTrips	WD_TR	9.52	5.09
tblWoodstoves	WoodstoveDayYear	60.00	0.00
tblWoodstoves	WoodstoveWoodMass	2,016.00	0.00

2.0 Emissions Summary

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.3178	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391	0.0000	12.7872	12.7872	0.0126	0.0000	13.1015
Energy	0.0949	0.8126	0.3591	5.1700e-003		0.0656	0.0656		0.0656	0.0656		1,034.9466	1,034.9466	0.0198	0.0190	1,041.0968
Mobile	2.0317	7.8849	21.7107	0.0475	4.0423	0.0724	4.1148	1.0808	0.0684	1.1492		4,782.0197	4,782.0197	0.2373		4,787.9522
Total	8.4443	8.7802	29.2055	0.0531	4.0423	0.1771	4.2194	1.0808	0.1731	1.2539	0.0000	5,829.7535	5,829.7535	0.2697	0.0190	5,842.1505

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.3178	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391	0.0000	12.7872	12.7872	0.0126	0.0000	13.1015
Energy	0.0775	0.6638	0.2931	4.2300e-003		0.0536	0.0536		0.0536	0.0536		845.4484	845.4484	0.0162	0.0155	850.4724
Mobile	2.0317	7.8849	21.7107	0.0475	4.0423	0.0724	4.1148	1.0808	0.0684	1.1492		4,782.0197	4,782.0197	0.2373		4,787.9522
Total	8.4270	8.6313	29.1395	0.0522	4.0423	0.1651	4.2074	1.0808	0.1611	1.2419	0.0000	5,640.2553	5,640.2553	0.2661	0.0155	5,651.5262

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.21	1.70	0.23	1.77	0.00	6.78	0.28	0.00	6.93	0.96	0.00	3.25	3.25	1.35	18.29	3.26

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/2/2017	1/13/2017	5	10	
2	Grading	Grading	1/16/2017	2/24/2017	5	30	
3	Building Construction	Building Construction	2/27/2017	4/20/2018	5	300	
4	Architectural Coating	Architectural Coating	10/2/2017	4/27/2018	5	150	
5	Paving	Paving	4/23/2018	5/18/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 3.53

Residential Indoor: 313,470; Residential Outdoor: 104,490; Non-Residential Indoor: 75,000; Non-Residential Outdoor: 25,000; Striped Parking Area: 9,213 (Architectural Coating – sqft)

OffRoad Equipment

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	5,580.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	111.00	43.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Clean Paved Roads

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.9608	52.2754	23.4554	0.0380		2.8786	2.8786		2.6483	2.6483		3,894.950 0	3,894.950 0	1.1934		3,924.785 2
Total	4.9608	52.2754	23.4554	0.0380	18.0663	2.8786	20.9448	9.9307	2.6483	12.5790		3,894.950 0	3,894.950 0	1.1934		3,924.785 2

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.2 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1220	0.1091	0.9425	1.7400e-003	0.1780	1.2800e-003	0.1792	0.0472	1.1900e-003	0.0484		173.2291	173.2291	8.0700e-003		173.4309
Total	0.1220	0.1091	0.9425	1.7400e-003	0.1780	1.2800e-003	0.1792	0.0472	1.1900e-003	0.0484		173.2291	173.2291	8.0700e-003		173.4309

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9312	19.0656	22.9600	0.0380		0.4731	0.4731		0.4731	0.4731	0.0000	3,894.9500	3,894.9500	1.1934		3,924.7852
Total	0.9312	19.0656	22.9600	0.0380	18.0663	0.4731	18.5393	9.9307	0.4731	10.4038	0.0000	3,894.9500	3,894.9500	1.1934		3,924.7852

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.2 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1220	0.1091	0.9425	1.7400e-003	0.1780	1.2800e-003	0.1792	0.0472	1.1900e-003	0.0484		173.2291	173.2291	8.0700e-003		173.4309
Total	0.1220	0.1091	0.9425	1.7400e-003	0.1780	1.2800e-003	0.1792	0.0472	1.1900e-003	0.0484		173.2291	173.2291	8.0700e-003		173.4309

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.9472	0.0000	8.9472	3.6380	0.0000	3.6380			0.0000			0.0000
Off-Road	5.7483	67.9396	38.7826	0.0620		3.0727	3.0727		2.8269	2.8269		6,344.8863	6,344.8863	1.9441		6,393.4879
Total	5.7483	67.9396	38.7826	0.0620	8.9472	3.0727	12.0199	3.6380	2.8269	6.4649		6,344.8863	6,344.8863	1.9441		6,393.4879

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.3 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.6880	74.7048	18.1277	0.1497	3.2418	0.7237	3.9655	0.8878	0.6924	1.5802		16,041.2137	16,041.2137	0.9288		16,064.4338
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1356	0.1213	1.0473	1.9400e-003	0.1977	1.4200e-003	0.1992	0.0524	1.3200e-003	0.0538		192.4768	192.4768	8.9700e-003		192.7010
Total	2.8236	74.8261	19.1750	0.1516	3.4395	0.7251	4.1647	0.9402	0.6937	1.6339		16,233.6905	16,233.6905	0.9378		16,257.1348

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.9472	0.0000	8.9472	3.6380	0.0000	3.6380			0.0000			0.0000
Off-Road	1.5231	29.9782	36.7226	0.0620		0.6497	0.6497		0.6497	0.6497	0.0000	6,344.8863	6,344.8863	1.9441		6,393.4878
Total	1.5231	29.9782	36.7226	0.0620	8.9472	0.6497	9.5969	3.6380	0.6497	4.2877	0.0000	6,344.8863	6,344.8863	1.9441		6,393.4878

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.3 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.6880	74.7048	18.1277	0.1497	3.2418	0.7237	3.9655	0.8878	0.6924	1.5802		16,041.2137	16,041.2137	0.9288		16,064.4338
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1356	0.1213	1.0473	1.9400e-003	0.1977	1.4200e-003	0.1992	0.0524	1.3200e-003	0.0538		192.4768	192.4768	8.9700e-003		192.7010
Total	2.8236	74.8261	19.1750	0.1516	3.4395	0.7251	4.1647	0.9402	0.6937	1.6339		16,233.6905	16,233.6905	0.9378		16,257.1348

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1149	26.5546	18.1825	0.0269		1.7879	1.7879		1.6791	1.6791		2,650.9797	2,650.9797	0.6531		2,667.3078
Total	3.1149	26.5546	18.1825	0.0269		1.7879	1.7879		1.6791	1.6791		2,650.9797	2,650.9797	0.6531		2,667.3078

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.4 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2732	5.3830	2.0493	8.5000e-003	0.1995	0.0599	0.2594	0.0575	0.0574	0.1148		899.7995	899.7995	0.0660		901.4487
Worker	0.7525	0.6730	5.8123	0.0108	1.0974	7.9000e-003	1.1053	0.2910	7.3200e-003	0.2984		1,068.2461	1,068.2461	0.0498		1,069.4903
Total	1.0257	6.0560	7.8616	0.0193	1.2969	0.0678	1.3647	0.3485	0.0647	0.4132		1,968.0456	1,968.0456	0.1157		1,970.9390

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,650.9797	2,650.9797	0.6531		2,667.3078
Total	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,650.9797	2,650.9797	0.6531		2,667.3078

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.4 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2732	5.3830	2.0493	8.5000e-003	0.1995	0.0599	0.2594	0.0575	0.0574	0.1148		899.7995	899.7995	0.0660		901.4487
Worker	0.7525	0.6730	5.8123	0.0108	1.0974	7.9000e-003	1.1053	0.2910	7.3200e-003	0.2984		1,068.2461	1,068.2461	0.0498		1,069.4903
Total	1.0257	6.0560	7.8616	0.0193	1.2969	0.0678	1.3647	0.3485	0.0647	0.4132		1,968.0456	1,968.0456	0.1157		1,970.9390

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.4 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2379	5.0900	1.8373	8.4900e-003	0.1995	0.0486	0.2481	0.0575	0.0465	0.1039		900.3348	900.3348	0.0629		901.9066
Worker	0.6598	0.5831	4.9891	0.0105	1.0974	7.5000e-003	1.1049	0.2910	6.9400e-003	0.2980		1,039.2835	1,039.2835	0.0431		1,040.3619
Total	0.8976	5.6731	6.8264	0.0190	1.2969	0.0561	1.3529	0.3485	0.0534	0.4019		1,939.6183	1,939.6183	0.1060		1,942.2685

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.4 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2379	5.0900	1.8373	8.4900e-003	0.1995	0.0486	0.2481	0.0575	0.0465	0.1039		900.3348	900.3348	0.0629		901.9066
Worker	0.6598	0.5831	4.9891	0.0105	1.0974	7.5000e-003	1.1049	0.2910	6.9400e-003	0.2980		1,039.2835	1,039.2835	0.0431		1,040.3619
Total	0.8976	5.6731	6.8264	0.0190	1.2969	0.0561	1.3529	0.3485	0.0534	0.4019		1,939.6183	1,939.6183	0.1060		1,942.2685

3.5 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.1448					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.1909
Total	8.4771	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.1909

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.5 Architectural Coating - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1492	0.1334	1.1520	2.1300e-003	0.2175	1.5700e-003	0.2191	0.0577	1.4500e-003	0.0591		211.7245	211.7245	9.8600e-003		211.9710
Total	0.1492	0.1334	1.1520	2.1300e-003	0.2175	1.5700e-003	0.2191	0.0577	1.4500e-003	0.0591		211.7245	211.7245	9.8600e-003		211.9710

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.1448					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0297		282.1909
Total	8.2043	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0297		282.1909

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.5 Architectural Coating - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1492	0.1334	1.1520	2.1300e-003	0.2175	1.5700e-003	0.2191	0.0577	1.4500e-003	0.0591		211.7245	211.7245	9.8600e-003		211.9710
Total	0.1492	0.1334	1.1520	2.1300e-003	0.2175	1.5700e-003	0.2191	0.0577	1.4500e-003	0.0591		211.7245	211.7245	9.8600e-003		211.9710

3.5 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.1448					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	8.4435	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171

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3.5 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1308	0.1156	0.9888	2.0700e-003	0.2175	1.4900e-003	0.2190	0.0577	1.3700e-003	0.0591		205.9841	205.9841	8.5500e-003		206.1979
Total	0.1308	0.1156	0.9888	2.0700e-003	0.2175	1.4900e-003	0.2190	0.0577	1.3700e-003	0.0591		205.9841	205.9841	8.5500e-003		206.1979

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.1448					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4485	281.4485	0.0267		282.1171
Total	8.2043	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4485	281.4485	0.0267		282.1171

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.5 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1308	0.1156	0.9888	2.0700e-003	0.2175	1.4900e-003	0.2190	0.0577	1.3700e-003	0.0591		205.9841	205.9841	8.5500e-003		206.1979
Total	0.1308	0.1156	0.9888	2.0700e-003	0.2175	1.4900e-003	0.2190	0.0577	1.3700e-003	0.0591		205.9841	205.9841	8.5500e-003		206.1979

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.4624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.1061	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0892	0.0788	0.6742	1.4100e-003	0.1483	1.0100e-003	0.1493	0.0393	9.4000e-004	0.0403		140.4437	140.4437	5.8300e-003		140.5895
Total	0.0892	0.0788	0.6742	1.4100e-003	0.1483	1.0100e-003	0.1493	0.0393	9.4000e-004	0.0403		140.4437	140.4437	5.8300e-003		140.5895

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.3047	0.3047		0.3047	0.3047	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.4624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0234	11.2952	17.2957	0.0228		0.3047	0.3047		0.3047	0.3047	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0892	0.0788	0.6742	1.4100e-003	0.1483	1.0100e-003	0.1493	0.0393	9.4000e-004	0.0403		140.4437	140.4437	5.8300e-003		140.5895
Total	0.0892	0.0788	0.6742	1.4100e-003	0.1483	1.0100e-003	0.1493	0.0393	9.4000e-004	0.0403		140.4437	140.4437	5.8300e-003		140.5895

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0317	7.8849	21.7107	0.0475	4.0423	0.0724	4.1148	1.0808	0.0684	1.1492		4,782.0197	4,782.0197	0.2373		4,787.9522
Unmitigated	2.0317	7.8849	21.7107	0.0475	4.0423	0.0724	4.1148	1.0808	0.0684	1.1492		4,782.0197	4,782.0197	0.2373		4,787.9522

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	443.50	519.00	262.00	618,505	618,505
Single Family Housing	437.74	454.94	396.46	1,103,798	1,103,798
Total	881.24	973.94	658.46	1,722,303	1,722,303

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
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852
Parking Lot	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852
Parking Lot	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852
Single Family Housing	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852
Regional Shopping Center	0.549382	0.034064	0.198767	0.132360	0.033447	0.007872	0.013134	0.018943	0.002404	0.001320	0.005630	0.000825	0.001852

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0775	0.6638	0.2931	4.2300e-003		0.0536	0.0536		0.0536	0.0536		845.4484	845.4484	0.0162	0.0155	850.4724
NaturalGas Unmitigated	0.0949	0.8126	0.3591	5.1700e-003		0.0656	0.0656		0.0656	0.0656		1,034.9466	1,034.9466	0.0198	0.0190	1,041.0968

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Regional Shopping Center	326.027	3.5200e-003	0.0320	0.0269	1.9000e-004		2.4300e-003	2.4300e-003		2.4300e-003	2.4300e-003		38.3562	38.3562	7.4000e-004	7.0000e-004	38.5841
Single Family Housing	8471.02	0.0914	0.7807	0.3322	4.9800e-003		0.0631	0.0631		0.0631	0.0631		996.5905	996.5905	0.0191	0.0183	1,002.5127
Total		0.0949	0.8126	0.3591	5.1700e-003		0.0656	0.0656		0.0656	0.0656		1,034.9466	1,034.9466	0.0198	0.0190	1,041.0968

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					
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
Regional Shopping Center	0.260822	2.8100e-003	0.0256	0.0215	1.5000e-004		1.9400e-003	1.9400e-003		1.9400e-003	1.9400e-003		30.6849	30.6849	5.9000e-004	5.6000e-004	30.8673
Single Family Housing	6.92549	0.0747	0.6382	0.2716	4.0700e-003		0.0516	0.0516		0.0516	0.0516		814.7634	814.7634	0.0156	0.0149	819.6052
Total		0.0775	0.6638	0.2931	4.2200e-003		0.0535	0.0535		0.0535	0.0535		845.4484	845.4484	0.0162	0.0155	850.4724

6.0 Area Detail

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

6.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.3178	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391	0.0000	12.7872	12.7872	0.0126	0.0000	13.1015
Unmitigated	6.3178	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391	0.0000	12.7872	12.7872	0.0126	0.0000	13.1015

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.6619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.4371					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	0.2188	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391		12.7872	12.7872	0.0126		13.1015
Total	6.3178	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391	0.0000	12.7872	12.7872	0.0126	0.0000	13.1015

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.6619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.4371					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	0.2188	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391		12.7872	12.7872	0.0126		13.1015
Total	6.3178	0.0826	7.1358	3.8000e-004		0.0391	0.0391		0.0391	0.0391	0.0000	12.7872	12.7872	0.0126	0.0000	13.1015

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Winter

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summary Report

Mitigated - San Luis Ranch Project - 2017 Start
San Luis Obispo County APCD, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1.23	Acre	1.23	53,361.00	0
Parking Lot	1.00	Acre	1.00	43,560.00	0
Parking Lot	1.30	Acre	1.30	56,628.00	0
Single Family Housing	86.00	Dwelling Unit	8.00	154,800.00	246
Regional Shopping Center	50.00	1000sqft	1.15	50,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2019
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Mitigated - San Luis Ranch Project - 2017 Start - San Luis Obispo County APCD Air District, Summary Report

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 1, 2, and 6, and improvements to Froom Ext and Madonna Rd

Construction Phase - No demolition in phases 1, 2, and 6. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading - Total import proportionally distributed by phase acreage.

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Energy Mitigation - Per Specific Plan, appliances will be energy efficient. Per MM AQ-3 Exceed Title 24

Water Mitigation -

Architectural Coating - Per MM AQ-2

Woodstoves - Per MM AQ-3

Construction Off-road Equipment Mitigation - Per MM AQ-2

Area Mitigation - Per MM AQ-3

2.0 Peak Daily Emissions

Peak Daily Construction Emissions

Peak Daily Construction Emissions

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Annual

Mitigated - San Luis Ranch Project - 2018 Start
San Luis Obispo County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	0.63	25,000.00	0
Parking Lot	2.10	Acre	2.10	91,476.00	0
Parking Lot	1.23	Acre	1.23	53,361.00	0
Hotel	200.00	Room	3.50	290,400.00	0
Single Family Housing	196.00	Dwelling Unit	15.00	352,800.00	561
Regional Shopping Center	50.00	1000sqft	1.15	50,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Annual

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 1, 2, 4, 5, and 6.

Construction Phase - No demolition in phases 1, 2, 4, 5 and 6. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Grading - Total import proportionally distributed by phase acreage.

Architectural Coating - Per MM AQ-2

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Woodstoves - Per MM AQ-3

Construction Off-road Equipment Mitigation - Per MM AQ-2

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Area Mitigation - Per MM AQ-3

Energy Mitigation - Per Specific Plan, appliances will be energy efficient. Exceed Title 24 per MM AQ-3

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Annual

tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	185.00
tblFleetMix	FleetMixLandUseSubType	Parking Lot	Hotel
tblFleetMix	FleetMixLandUseSubType	Hotel	Parking Lot
tblFleetMix	FleetMixLandUseSubType	Single Family Housing	Regional Shopping Center
tblFleetMix	FleetMixLandUseSubType	Regional Shopping Center	Single Family Housing
tblGrading	MaterialImported	0.00	91,760.00
tblLandUse	BuildingSpaceSquareFeet	53,578.80	53,361.00
tblLandUse	LandUseSquareFeet	53,578.80	53,361.00
tblLandUse	LotAcreage	0.57	0.63
tblLandUse	LotAcreage	6.67	3.50
tblLandUse	LotAcreage	63.64	15.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblVehicleTrips	ST_TR	2.46	2.68
tblVehicleTrips	ST_TR	8.19	4.86
tblVehicleTrips	ST_TR	49.97	10.38
tblVehicleTrips	ST_TR	9.91	5.29
tblVehicleTrips	SU_TR	1.05	1.14
tblVehicleTrips	SU_TR	5.95	3.53

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Annual

tblVehicleTrips	SU_TR	25.24	5.24
tblVehicleTrips	SU_TR	8.62	4.61
tblVehicleTrips	WD_TR	11.03	12.00
tblVehicleTrips	WD_TR	8.17	4.85
tblVehicleTrips	WD_TR	42.70	8.87
tblVehicleTrips	WD_TR	9.52	5.09
tblWoodstoves	WoodstoveDayYear	60.00	0.00
tblWoodstoves	WoodstoveWoodMass	2,016.00	0.00

2.0 Emissions Summary

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2018	3-31-2018	3.6164	2.8357
2	4-1-2018	6-30-2018	1.3589	0.9959
3	7-1-2018	9-30-2018	1.6143	1.2384
4	10-1-2018	12-31-2018	2.1783	1.7822
5	1-1-2019	3-31-2019	2.0044	1.7079
6	4-1-2019	6-30-2019	0.8310	0.7132
		Highest	3.6164	2.8357

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	3.8746	0.0310	2.6817	1.4000e-004		0.0147	0.0147		0.0147	0.0147	0.0000	4.3674	4.3674	4.2700e-003	0.0000	4.4743
Energy	0.1106	0.9843	0.6922	6.0300e-003		0.0764	0.0764		0.0764	0.0764	0.0000	2,573.8997	2,573.8997	0.0879	0.0339	2,586.1997
Mobile	0.8673	3.4948	9.3349	0.0228	1.9378	0.0289	1.9667	0.5191	0.0273	0.5463	0.0000	2,086.4176	2,086.4176	0.0942	0.0000	2,088.7734
Waste						0.0000	0.0000		0.0000	0.0000	84.2940	0.0000	84.2940	4.9816	0.0000	208.8349
Water						0.0000	0.0000		0.0000	0.0000	8.2456	54.7676	63.0131	0.8494	0.0205	90.3594
Total	4.8525	4.5102	12.7088	0.0290	1.9378	0.1200	2.0578	0.5191	0.1184	0.6374	92.5396	4,719.4522	4,811.9918	6.0174	0.0544	4,978.6416

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, 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	3.8746	0.0310	2.6817	1.4000e-004		0.0147	0.0147		0.0147	0.0147	0.0000	4.3674	4.3674	4.2700e-003	0.0000	4.4743
Energy	0.0906	0.8067	0.5676	4.9400e-003		0.0626	0.0626		0.0626	0.0626	0.0000	2,308.5818	2,308.5818	0.0810	0.0297	2,319.4424
Mobile	0.8673	3.4948	9.3349	0.0228	1.9378	0.0289	1.9667	0.5191	0.0273	0.5463	0.0000	2,086.4176	2,086.4176	0.0942	0.0000	2,088.7734
Waste						0.0000	0.0000		0.0000	0.0000	84.2940	0.0000	84.2940	4.9816	0.0000	208.8349
Water						0.0000	0.0000		0.0000	0.0000	8.2456	54.7676	63.0131	0.8494	0.0205	90.3594
Total	4.8325	4.3325	12.5842	0.0279	1.9378	0.1063	2.0440	0.5191	0.1046	0.6236	92.5396	4,454.1343	4,546.6739	6.0105	0.0502	4,711.8844

	ROG	NOx	CO	SO2	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	0.41	3.94	0.98	3.76	0.00	11.48	0.67	0.00	11.64	2.16	0.00	5.62	5.51	0.11	7.81	5.36

3.0 Construction Detail

Construction Phase

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	
2	Grading	Grading	1/13/2018	2/23/2018	5	35	
3	Building Construction	Building Construction	2/24/2018	4/19/2019	5	370	
4	Architectural Coating	Architectural Coating	9/3/2018	5/17/2019	5	185	
5	Paving	Paving	4/20/2019	5/17/2019	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 87.5

Acres of Paving: 3.33

Residential Indoor: 714,420; Residential Outdoor: 238,140; Non-Residential Indoor: 548,100; Non-Residential Outdoor: 182,700; Striped Parking Area: 8,690 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	11,470.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	277.00	105.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	55.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0228	0.2410	0.1124	1.9000e-004		0.0129	0.0129		0.0119	0.0119	0.0000	17.3800	17.3800	5.4100e-003	0.0000	17.5152
Total	0.0228	0.2410	0.1124	1.9000e-004	0.0903	0.0129	0.1032	0.0497	0.0119	0.0615	0.0000	17.3800	17.3800	5.4100e-003	0.0000	17.5152

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3.2 Site Preparation - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	4.8000e-004	4.6000e-004	4.0100e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7707	0.7707	3.0000e-005	0.0000	0.7715
Total	4.8000e-004	4.6000e-004	4.0100e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7707	0.7707	3.0000e-005	0.0000	0.7715

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6600e-003	0.0953	0.1148	1.9000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003	0.0000	17.3799	17.3799	5.4100e-003	0.0000	17.5152
Total	4.6600e-003	0.0953	0.1148	1.9000e-004	0.0903	2.3700e-003	0.0927	0.0497	2.3700e-003	0.0520	0.0000	17.3799	17.3799	5.4100e-003	0.0000	17.5152

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3.2 Site Preparation - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	4.8000e-004	4.6000e-004	4.0100e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7707	0.7707	3.0000e-005	0.0000	0.7715
Total	4.8000e-004	4.6000e-004	4.0100e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7707	0.7707	3.0000e-005	0.0000	0.7715

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1373	0.0000	0.1373	0.0550	0.0000	0.0550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0764	0.8928	0.5263	9.3000e-004		0.0395	0.0395		0.0364	0.0364	0.0000	84.9728	84.9728	0.0265	0.0000	85.6341
Total	0.0764	0.8928	0.5263	9.3000e-004	0.1373	0.0395	0.1769	0.0550	0.0364	0.0914	0.0000	84.9728	84.9728	0.0265	0.0000	85.6341

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3.3 Grading - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0582	1.8377	0.4158	3.9500e-003	0.0943	0.0134	0.1076	0.0256	0.0128	0.0384	0.0000	384.8026	384.8026	0.0216	0.0000	385.3436
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6100e-003	1.5500e-003	0.0134	3.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.5689	2.5689	1.1000e-004	0.0000	2.5715
Total	0.0598	1.8393	0.4292	3.9800e-003	0.0972	0.0134	0.1105	0.0263	0.0128	0.0391	0.0000	387.3714	387.3714	0.0218	0.0000	387.9151

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1373	0.0000	0.1373	0.0550	0.0000	0.0550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0229	0.4497	0.5508	9.3000e-004		9.7500e-003	9.7500e-003		9.7500e-003	9.7500e-003	0.0000	84.9727	84.9727	0.0265	0.0000	85.6340
Total	0.0229	0.4497	0.5508	9.3000e-004	0.1373	9.7500e-003	0.1471	0.0550	9.7500e-003	0.0648	0.0000	84.9727	84.9727	0.0265	0.0000	85.6340

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3.3 Grading - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0582	1.8377	0.4158	3.9500e-003	0.0943	0.0134	0.1076	0.0256	0.0128	0.0384	0.0000	384.8026	384.8026	0.0216	0.0000	385.3436
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6100e-003	1.5500e-003	0.0134	3.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.5689	2.5689	1.1000e-004	0.0000	2.5715
Total	0.0598	1.8393	0.4292	3.9800e-003	0.0972	0.0134	0.1105	0.0263	0.0128	0.0391	0.0000	387.3714	387.3714	0.0218	0.0000	387.9151

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2961	2.5846	1.9426	2.9700e-003		0.1657	0.1657		0.1558	0.1558	0.0000	262.7328	262.7328	0.0644	0.0000	264.3420
Total	0.2961	2.5846	1.9426	2.9700e-003		0.1657	0.1657		0.1558	0.1558	0.0000	262.7328	262.7328	0.0644	0.0000	264.3420

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3.4 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0624	1.3921	0.4705	2.3300e-003	0.0527	0.0129	0.0656	0.0152	0.0124	0.0276	0.0000	224.1246	224.1246	0.0149	0.0000	224.4965
Worker	0.1638	0.1578	1.3651	2.9100e-003	0.2947	2.0700e-003	0.2967	0.0783	1.9100e-003	0.0802	0.0000	262.0999	262.0999	0.0108	0.0000	262.3697
Total	0.2262	1.5498	1.8355	5.2400e-003	0.3474	0.0150	0.3623	0.0935	0.0143	0.1078	0.0000	486.2245	486.2245	0.0257	0.0000	486.8662

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0745	1.5720	1.9751	2.9700e-003		0.0499	0.0499		0.0499	0.0499	0.0000	262.7325	262.7325	0.0644	0.0000	264.3417
Total	0.0745	1.5720	1.9751	2.9700e-003		0.0499	0.0499		0.0499	0.0499	0.0000	262.7325	262.7325	0.0644	0.0000	264.3417

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3.4 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0624	1.3921	0.4705	2.3300e-003	0.0527	0.0129	0.0656	0.0152	0.0124	0.0276	0.0000	224.1246	224.1246	0.0149	0.0000	224.4965
Worker	0.1638	0.1578	1.3651	2.9100e-003	0.2947	2.0700e-003	0.2967	0.0783	1.9100e-003	0.0802	0.0000	262.0999	262.0999	0.0108	0.0000	262.3697
Total	0.2262	1.5498	1.8355	5.2400e-003	0.3474	0.0150	0.3623	0.0935	0.0143	0.1078	0.0000	486.2245	486.2245	0.0257	0.0000	486.8662

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0933	0.8326	0.6780	1.0600e-003		0.0510	0.0510		0.0479	0.0479	0.0000	92.8662	92.8662	0.0226	0.0000	93.4317
Total	0.0933	0.8326	0.6780	1.0600e-003		0.0510	0.0510		0.0479	0.0479	0.0000	92.8662	92.8662	0.0226	0.0000	93.4317

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3.4 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0194	0.4731	0.1484	8.3000e-004	0.0188	3.7900e-003	0.0226	5.4400e-003	3.6200e-003	9.0600e-003	0.0000	79.9025	79.9025	5.1300e-003	0.0000	80.0308
Worker	0.0526	0.0494	0.4276	1.0100e-003	0.1053	7.2000e-004	0.1061	0.0280	6.6000e-004	0.0287	0.0000	90.9377	90.9377	3.3900e-003	0.0000	91.0224
Total	0.0720	0.5224	0.5761	1.8400e-003	0.1242	4.5100e-003	0.1287	0.0334	4.2800e-003	0.0377	0.0000	170.8402	170.8402	8.5200e-003	0.0000	171.0532

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0266	0.5619	0.7060	1.0600e-003		0.0179	0.0179		0.0179	0.0179	0.0000	92.8661	92.8661	0.0226	0.0000	93.4316
Total	0.0266	0.5619	0.7060	1.0600e-003		0.0179	0.0179		0.0179	0.0179	0.0000	92.8661	92.8661	0.0226	0.0000	93.4316

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3.4 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0194	0.4731	0.1484	8.3000e-004	0.0188	3.7900e-003	0.0226	5.4400e-003	3.6200e-003	9.0600e-003	0.0000	79.9025	79.9025	5.1300e-003	0.0000	80.0308
Worker	0.0526	0.0494	0.4276	1.0100e-003	0.1053	7.2000e-004	0.1061	0.0280	6.6000e-004	0.0287	0.0000	90.9377	90.9377	3.3900e-003	0.0000	91.0224
Total	0.0720	0.5224	0.5761	1.8400e-003	0.1242	4.5100e-003	0.1287	0.0334	4.2800e-003	0.0377	0.0000	170.8402	170.8402	8.5200e-003	0.0000	171.0532

3.5 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9114					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0128	0.0863	0.0797	1.3000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003	0.0000	10.9790	10.9790	1.0400e-003	0.0000	11.0051
Total	0.9243	0.0863	0.0797	1.3000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003	0.0000	10.9790	10.9790	1.0400e-003	0.0000	11.0051

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3.5 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0127	0.0122	0.1055	2.2000e-004	0.0228	1.6000e-004	0.0229	6.0500e-003	1.5000e-004	6.2000e-003	0.0000	20.2514	20.2514	8.3000e-004	0.0000	20.2723
Total	0.0127	0.0122	0.1055	2.2000e-004	0.0228	1.6000e-004	0.0229	6.0500e-003	1.5000e-004	6.2000e-003	0.0000	20.2514	20.2514	8.3000e-004	0.0000	20.2723

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9114					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5600e-003	0.0584	0.0788	1.3000e-004		2.0400e-003	2.0400e-003		2.0400e-003	2.0400e-003	0.0000	10.9790	10.9790	1.0400e-003	0.0000	11.0051
Total	0.9140	0.0584	0.0788	1.3000e-004		2.0400e-003	2.0400e-003		2.0400e-003	2.0400e-003	0.0000	10.9790	10.9790	1.0400e-003	0.0000	11.0051

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Annual

3.5 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0127	0.0122	0.1055	2.2000e-004	0.0228	1.6000e-004	0.0229	6.0500e-003	1.5000e-004	6.2000e-003	0.0000	20.2514	20.2514	8.3000e-004	0.0000	20.2723
Total	0.0127	0.0122	0.1055	2.2000e-004	0.0228	1.6000e-004	0.0229	6.0500e-003	1.5000e-004	6.2000e-003	0.0000	20.2514	20.2514	8.3000e-004	0.0000	20.2723

3.5 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0492					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0132	0.0909	0.0912	1.5000e-004		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	12.6386	12.6386	1.0700e-003	0.0000	12.6653
Total	1.0624	0.0909	0.0912	1.5000e-004		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	12.6386	12.6386	1.0700e-003	0.0000	12.6653

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3.5 Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0131	0.0123	0.1064	2.5000e-004	0.0262	1.8000e-004	0.0264	6.9700e-003	1.6000e-004	7.1300e-003	0.0000	22.6274	22.6274	8.4000e-004	0.0000	22.6485
Total	0.0131	0.0123	0.1064	2.5000e-004	0.0262	1.8000e-004	0.0264	6.9700e-003	1.6000e-004	7.1300e-003	0.0000	22.6274	22.6274	8.4000e-004	0.0000	22.6485

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0492					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9400e-003	0.0672	0.0907	1.5000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003	0.0000	12.6386	12.6386	1.0700e-003	0.0000	12.6653
Total	1.0522	0.0672	0.0907	1.5000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003	0.0000	12.6386	12.6386	1.0700e-003	0.0000	12.6653

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Annual

3.5 Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0131	0.0123	0.1064	2.5000e-004	0.0262	1.8000e-004	0.0264	6.9700e-003	1.6000e-004	7.1300e-003	0.0000	22.6274	22.6274	8.4000e-004	0.0000	22.6485
Total	0.0131	0.0123	0.1064	2.5000e-004	0.0262	1.8000e-004	0.0264	6.9700e-003	1.6000e-004	7.1300e-003	0.0000	22.6274	22.6274	8.4000e-004	0.0000	22.6485

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0145	0.1524	0.1467	2.3000e-004		8.2500e-003	8.2500e-003		7.5900e-003	7.5900e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371
Paving	4.3600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0189	0.1524	0.1467	2.3000e-004		8.2500e-003	8.2500e-003		7.5900e-003	7.5900e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Annual

3.6 Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2000e-004	6.8000e-004	5.8600e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2467	1.2467	5.0000e-005	0.0000	1.2479
Total	7.2000e-004	6.8000e-004	5.8600e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2467	1.2467	5.0000e-005	0.0000	1.2479

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.6100e-003	0.1130	0.1730	2.3000e-004		3.0500e-003	3.0500e-003		3.0500e-003	3.0500e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371
Paving	4.3600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.9700e-003	0.1130	0.1730	2.3000e-004		3.0500e-003	3.0500e-003		3.0500e-003	3.0500e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Annual

3.6 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2000e-004	6.8000e-004	5.8600e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2467	1.2467	5.0000e-005	0.0000	1.2479
Total	7.2000e-004	6.8000e-004	5.8600e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2467	1.2467	5.0000e-005	0.0000	1.2479

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, 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	0.8673	3.4948	9.3349	0.0228	1.9378	0.0289	1.9667	0.5191	0.0273	0.5463	0.0000	2,086.4176	2,086.4176	0.0942	0.0000	2,088.7734
Unmitigated	0.8673	3.4948	9.3349	0.0228	1.9378	0.0289	1.9667	0.5191	0.0273	0.5463	0.0000	2,086.4176	2,086.4176	0.0942	0.0000	2,088.7734

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	300.00	67.00	28.50	518,513	518,513
Hotel	970.00	972.00	706.00	1,502,636	1,502,636
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	443.50	519.00	262.00	618,505	618,505
Single Family Housing	997.64	1,036.84	903.56	2,515,633	2,515,633
Total	2,711.14	2,594.84	1,900.06	5,155,287	5,155,287

4.3 Trip Type Information

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Annual

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
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4
Hotel	13.00	5.00	5.00	19.40	61.60	19.00	58	38	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Hotel	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Parking Lot	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Parking Lot	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Regional Shopping Center	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Single Family Housing	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install Energy Efficient Appliances

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, 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					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,411.9640	1,411.9640	0.0638	0.0132	1,417.4965
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,479.7997	1,479.7997	0.0669	0.0138	1,485.5980
NaturalGas Mitigated	0.0906	0.8067	0.5676	4.9400e-003		0.0626	0.0626		0.0626	0.0626	0.0000	896.6178	896.6178	0.0172	0.0164	901.9460
NaturalGas Unmitigated	0.1106	0.9843	0.6922	6.0300e-003		0.0764	0.0764		0.0764	0.0764	0.0000	1,094.1000	1,094.1000	0.0210	0.0201	1,100.6017

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, 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					
General Office Building	411250	2.2200e-003	0.0202	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.9459	21.9459	4.2000e-004	4.0000e-004	22.0763
Hotel	1.29257e+007	0.0697	0.6336	0.5322	3.8000e-003		0.0482	0.0482		0.0482	0.0482	0.0000	689.7648	689.7648	0.0132	0.0127	693.8637
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
Regional Shopping Center	119000	6.4000e-004	5.8300e-003	4.9000e-003	4.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	6.3503	6.3503	1.2000e-004	1.2000e-004	6.3880
Single Family Housing	7.04671e+006	0.0380	0.3247	0.1382	2.0700e-003		0.0263	0.0263		0.0263	0.0263	0.0000	376.0391	376.0391	7.2100e-003	6.8900e-003	378.2737
Total		0.1106	0.9843	0.6922	6.0300e-003		0.0764	0.0764		0.0764	0.0764	0.0000	1,094.1000	1,094.1000	0.0210	0.0201	1,100.6017

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	329300	1.7800e-003	0.0161	0.0136	1.0000e-004		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	17.5727	17.5727	3.4000e-004	3.2000e-004	17.6771
Hotel	1.06164e+007	0.0573	0.5204	0.4372	3.1200e-003		0.0396	0.0396		0.0396	0.0396	0.0000	566.5338	566.5338	0.0109	0.0104	569.9005
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
Regional Shopping Center	95200	5.1000e-004	4.6700e-003	3.9200e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	5.0802	5.0802	1.0000e-004	9.0000e-005	5.1104
Single Family Housing	5.76104e+006	0.0311	0.2655	0.1130	1.6900e-003		0.0215	0.0215		0.0215	0.0215	0.0000	307.4311	307.4311	5.8900e-003	5.6400e-003	309.2580
Total		0.0906	0.8067	0.5676	4.9400e-003		0.0626	0.0626		0.0626	0.0626	0.0000	896.6178	896.6178	0.0172	0.0164	901.9460

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Annual

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	455500	132.5102	5.9900e-003	1.2400e-003	133.0294
Hotel	2.25931e+006	657.2598	0.0297	6.1500e-003	659.8351
Parking Lot	46957.7	13.6605	6.2000e-004	1.3000e-004	13.7141
Parking Lot	80498.9	23.4181	1.0600e-003	2.2000e-004	23.5098
Regional Shopping Center	547500	159.2740	7.2000e-003	1.4900e-003	159.8981
Single Family Housing	1.697e+006	493.6771	0.0223	4.6200e-003	495.6115
Total		1,479.7997	0.0669	0.0139	1,485.5980

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	423500	123.2010	5.5700e-003	1.1500e-003	123.6837
Hotel	2.13444e+006	620.9331	0.0281	5.8100e-003	623.3661
Parking Lot	46957.7	13.6605	6.2000e-004	1.3000e-004	13.7141
Parking Lot	80498.9	23.4181	1.0600e-003	2.2000e-004	23.5098
Regional Shopping Center	518600	150.8667	6.8200e-003	1.4100e-003	151.4578
Single Family Housing	1.64959e+006	479.8846	0.0217	4.4900e-003	481.7650
Total		1,411.9640	0.0639	0.0132	1,417.4965

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, 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	3.8746	0.0310	2.6817	1.4000e-004		0.0147	0.0147		0.0147	0.0147	0.0000	4.3674	4.3674	4.2700e-003	0.0000	4.4743
Unmitigated	3.8746	0.0310	2.6817	1.4000e-004		0.0147	0.0147		0.0147	0.0147	0.0000	4.3674	4.3674	4.2700e-003	0.0000	4.4743

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	0.9783					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.8143					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	0.0820	0.0310	2.6817	1.4000e-004		0.0147	0.0147		0.0147	0.0147	0.0000	4.3674	4.3674	4.2700e-003	0.0000	4.4743
Total	3.8746	0.0310	2.6817	1.4000e-004		0.0147	0.0147		0.0147	0.0147	0.0000	4.3674	4.3674	4.2700e-003	0.0000	4.4743

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, 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	0.9783					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.8143					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	0.0820	0.0310	2.6817	1.4000e-004		0.0147	0.0147		0.0147	0.0147	0.0000	4.3674	4.3674	4.2700e-003	0.0000	4.4743
Total	3.8746	0.0310	2.6817	1.4000e-004		0.0147	0.0147		0.0147	0.0147	0.0000	4.3674	4.3674	4.2700e-003	0.0000	4.4743

7.0 Water Detail

7.1 Mitigation Measures Water

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	63.0131	0.8494	0.0205	90.3594
Unmitigated	63.0131	0.8494	0.0205	90.3594

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	4.44334 / 2.72334	11.1769	0.1452	3.5100e-003	15.8536
Hotel	5.07335 / 0.563706	10.1696	0.1657	3.9800e-003	15.4992
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	3.70363 / 2.26996	9.3162	0.1211	2.9300e-003	13.2144
Single Family Housing	12.7702 / 8.05077	32.3504	0.4174	0.0101	45.7922
Total		63.0131	0.8494	0.0205	90.3594

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	4.44334 / 2.72334	11.1769	0.1452	3.5100e-003	15.8536
Hotel	5.07335 / 0.563706	10.1696	0.1657	3.9800e-003	15.4992
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	3.70363 / 2.26996	9.3162	0.1211	2.9300e-003	13.2144
Single Family Housing	12.7702 / 8.05077	32.3504	0.4174	0.0101	45.7922
Total		63.0131	0.8494	0.0205	90.3594

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	84.2940	4.9816	0.0000	208.8349
Unmitigated	84.2940	4.9816	0.0000	208.8349

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	23.25	4.7195	0.2789	0.0000	11.6925
Hotel	109.5	22.2275	1.3136	0.0000	55.0677
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	52.5	10.6570	0.6298	0.0000	26.4023
Single Family Housing	230.01	46.6900	2.7593	0.0000	115.6724
Total		84.2940	4.9816	0.0000	208.8349

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	23.25	4.7195	0.2789	0.0000	11.6925
Hotel	109.5	22.2275	1.3136	0.0000	55.0677
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	52.5	10.6570	0.6298	0.0000	26.4023
Single Family Housing	230.01	46.6900	2.7593	0.0000	115.6724
Total		84.2940	4.9816	0.0000	208.8349

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Annual

User Defined Equipment

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

11.0 Vegetation

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

Mitigated - San Luis Ranch Project - 2018 Start
San Luis Obispo County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	0.63	25,000.00	0
Parking Lot	2.10	Acre	2.10	91,476.00	0
Parking Lot	1.23	Acre	1.23	53,361.00	0
Hotel	200.00	Room	3.50	290,400.00	0
Single Family Housing	196.00	Dwelling Unit	15.00	352,800.00	561
Regional Shopping Center	50.00	1000sqft	1.15	50,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 1, 2, 4, 5, and 6.

Construction Phase - No demolition in phases 1, 2, 4, 5 and 6. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Grading - Total import proportionally distributed by phase acreage.

Architectural Coating - Per MM AQ-2

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Woodstoves - Per MM AQ-3

Construction Off-road Equipment Mitigation - Per MM AQ-2

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Area Mitigation - Per MM AQ-3

Energy Mitigation - Per Specific Plan, appliances will be energy efficient. Exceed Title 24 per MM AQ-3

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	185.00
tblFleetMix	FleetMixLandUseSubType	Parking Lot	Hotel
tblFleetMix	FleetMixLandUseSubType	Hotel	Parking Lot
tblFleetMix	FleetMixLandUseSubType	Single Family Housing	Regional Shopping Center
tblFleetMix	FleetMixLandUseSubType	Regional Shopping Center	Single Family Housing
tblGrading	MaterialImported	0.00	91,760.00
tblLandUse	BuildingSpaceSquareFeet	53,578.80	53,361.00
tblLandUse	LandUseSquareFeet	53,578.80	53,361.00
tblLandUse	LotAcreage	0.57	0.63
tblLandUse	LotAcreage	6.67	3.50
tblLandUse	LotAcreage	63.64	15.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblVehicleTrips	ST_TR	2.46	2.68
tblVehicleTrips	ST_TR	8.19	4.86
tblVehicleTrips	ST_TR	49.97	10.38
tblVehicleTrips	ST_TR	9.91	5.29
tblVehicleTrips	SU_TR	1.05	1.14
tblVehicleTrips	SU_TR	5.95	3.53

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

tblVehicleTrips	SU_TR	25.24	5.24
tblVehicleTrips	SU_TR	8.62	4.61
tblVehicleTrips	WD_TR	11.03	12.00
tblVehicleTrips	WD_TR	8.17	4.85
tblVehicleTrips	WD_TR	42.70	8.87
tblVehicleTrips	WD_TR	9.52	5.09
tblWoodstoves	WoodstoveDayYear	60.00	0.00
tblWoodstoves	WoodstoveWoodMass	2,016.00	0.00

2.0 Emissions Summary

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.2782	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893	0.0000	29.1772	29.1772	0.0286	0.0000	29.8910
Energy	0.6058	5.3935	3.7931	0.0330		0.4185	0.4185		0.4185	0.4185		6,608.4318	6,608.4318	0.1267	0.1212	6,647.7024
Mobile	5.4953	20.2339	55.2733	0.1417	11.9424	0.1732	12.1155	3.1920	0.1631	3.3551		14,270.0678	14,270.0678	0.6209		14,285.5905
Total	27.3792	25.8153	75.3190	0.1756	11.9424	0.6810	12.6234	3.1920	0.6709	3.8629	0.0000	20,907.6767	20,907.6767	0.7761	0.1212	20,963.1840

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	21.2782	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893	0.0000	29.1772	29.1772	0.0286	0.0000	29.8910
Energy	0.4964	4.4202	3.1101	0.0271		0.3430	0.3430		0.3430	0.3430		5,415.6273	5,415.6273	0.1038	0.0993	5,447.8097
Mobile	5.4953	20.2339	55.2733	0.1417	11.9424	0.1732	12.1155	3.1920	0.1631	3.3551		14,270.0678	14,270.0678	0.6209		14,285.5905
Total	27.2698	24.8420	74.6360	0.1696	11.9424	0.6055	12.5478	3.1920	0.5954	3.7874	0.0000	19,714.8722	19,714.8722	0.7533	0.0993	19,763.2913

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.40	3.77	0.91	3.40	0.00	11.09	0.60	0.00	11.26	1.96	0.00	5.71	5.71	2.95	18.04	5.72

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	
2	Grading	Grading	1/13/2018	2/23/2018	5	35	
3	Building Construction	Building Construction	2/24/2018	4/19/2019	5	370	
4	Architectural Coating	Architectural Coating	9/3/2018	5/17/2019	5	185	
5	Paving	Paving	4/20/2019	5/17/2019	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 87.5

Acres of Paving: 3.33

Residential Indoor: 714,420; Residential Outdoor: 238,140; Non-Residential Indoor: 548,100; Non-Residential Outdoor: 182,700; Striped Parking Area: 8,690 (Architectural Coating – sqft)

OffRoad Equipment

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	11,470.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	277.00	105.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	55.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

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

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.2 Site Preparation - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0942	0.0833	0.8219	1.7800e-003	0.1780	1.2200e-003	0.1792	0.0472	1.1200e-003	0.0483		176.7876	176.7876	7.1600e-003		176.9666
Total	0.0942	0.0833	0.8219	1.7800e-003	0.1780	1.2200e-003	0.1792	0.0472	1.1200e-003	0.0483		176.7876	176.7876	7.1600e-003		176.9666

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9312	19.0656	22.9600	0.0380		0.4731	0.4731		0.4731	0.4731	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	0.9312	19.0656	22.9600	0.0380	18.0663	0.4731	18.5393	9.9307	0.4731	10.4038	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.2 Site Preparation - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0942	0.0833	0.8219	1.7800e-003	0.1780	1.2200e-003	0.1792	0.0472	1.1200e-003	0.0483		176.7876	176.7876	7.1600e-003		176.9666
Total	0.0942	0.0833	0.8219	1.7800e-003	0.1780	1.2200e-003	0.1792	0.0472	1.1200e-003	0.0483		176.7876	176.7876	7.1600e-003		176.9666

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1559	0.0000	9.1559	3.6696	0.0000	3.6696			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	5.0901	59.5218	35.0894	0.0620	9.1559	2.6337	11.7896	3.6696	2.4230	6.0926		6,244.4284	6,244.4284	1.9440		6,293.0278

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.3 Grading - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.8364	120.0134	26.9194	0.2648	6.4360	0.8839	7.3200	1.7422	0.8457	2.5878		28,440.8103	28,440.8103	1.5653		28,479.9415
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1046	0.0926	0.9132	1.9800e-003	0.1977	1.3500e-003	0.1991	0.0524	1.2500e-003	0.0537		196.4307	196.4307	7.9500e-003		196.6295
Total	3.9410	120.1059	27.8326	0.2668	6.6338	0.8853	7.5190	1.7946	0.8469	2.6415		28,637.2410	28,637.2410	1.5732		28,676.5710

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1559	0.0000	9.1559	3.6696	0.0000	3.6696			0.0000			0.0000
Off-Road	1.5231	29.9782	36.7226	0.0620		0.6497	0.6497		0.6497	0.6497	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	1.5231	29.9782	36.7226	0.0620	9.1559	0.6497	9.8056	3.6696	0.6497	4.3193	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.3 Grading - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.8364	120.0134	26.9194	0.2648	6.4360	0.8839	7.3200	1.7422	0.8457	2.5878		28,440.8103	28,440.8103	1.5653		28,479.9415
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1046	0.0926	0.9132	1.9800e-003	0.1977	1.3500e-003	0.1991	0.0524	1.2500e-003	0.0537		196.4307	196.4307	7.9500e-003		196.6295
Total	3.9410	120.1059	27.8326	0.2668	6.6338	0.8853	7.5190	1.7946	0.8469	2.6415		28,637.2410	28,637.2410	1.5732		28,676.5710

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.4 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5522	12.4602	4.0061	0.0213	0.4872	0.1156	0.6029	0.1403	0.1106	0.2509		2,262.8686	2,262.8686	0.1436		2,266.4587
Worker	1.4493	1.2823	12.6483	0.0274	2.7385	0.0187	2.7572	0.7263	0.0173	0.7436		2,720.5650	2,720.5650	0.1102		2,723.3187
Total	2.0015	13.7425	16.6543	0.0487	3.2257	0.1344	3.3600	0.8666	0.1279	0.9945		4,983.4335	4,983.4335	0.2538		4,989.7774

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.4 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5522	12.4602	4.0061	0.0213	0.4872	0.1156	0.6029	0.1403	0.1106	0.2509		2,262.8686	2,262.8686	0.1436		2,266.4587
Worker	1.4493	1.2823	12.6483	0.0274	2.7385	0.0187	2.7572	0.7263	0.0173	0.7436		2,720.5650	2,720.5650	0.1102		2,723.3187
Total	2.0015	13.7425	16.6543	0.0487	3.2257	0.1344	3.3600	0.8666	0.1279	0.9945		4,983.4335	4,983.4335	0.2538		4,989.7774

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.4 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4805	11.8566	3.5289	0.0212	0.4873	0.0947	0.5820	0.1403	0.0906	0.2310		2,257.5596	2,257.5596	0.1387		2,261.0262
Worker	1.3012	1.1221	11.1315	0.0265	2.7385	0.0181	2.7566	0.7263	0.0167	0.7430		2,640.7748	2,640.7748	0.0970		2,643.2001
Total	1.7817	12.9787	14.6603	0.0478	3.2258	0.1128	3.3386	0.8666	0.1074	0.9740		4,898.3345	4,898.3345	0.2357		4,904.2263

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.4 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4805	11.8566	3.5289	0.0212	0.4873	0.0947	0.5820	0.1403	0.0906	0.2310		2,257.5596	2,257.5596	0.1387		2,261.0262
Worker	1.3012	1.1221	11.1315	0.0265	2.7385	0.0181	2.7566	0.7263	0.0167	0.7430		2,640.7748	2,640.7748	0.0970		2,643.2001
Total	1.7817	12.9787	14.6603	0.0478	3.2258	0.1128	3.3386	0.8666	0.1074	0.9740		4,898.3345	4,898.3345	0.2357		4,904.2263

3.5 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	21.1964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	21.4950	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.5 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2878	0.2546	2.5114	5.4300e-003	0.5437	3.7200e-003	0.5475	0.1442	3.4400e-003	0.1477		540.1844	540.1844	0.0219		540.7311
Total	0.2878	0.2546	2.5114	5.4300e-003	0.5437	3.7200e-003	0.5475	0.1442	3.4400e-003	0.1477		540.1844	540.1844	0.0219		540.7311

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	21.1964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4485	281.4485	0.0267		282.1171
Total	21.2558	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4485	281.4485	0.0267		282.1171

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.5 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2878	0.2546	2.5114	5.4300e-003	0.5437	3.7200e-003	0.5475	0.1442	3.4400e-003	0.1477		540.1844	540.1844	0.0219		540.7311
Total	0.2878	0.2546	2.5114	5.4300e-003	0.5437	3.7200e-003	0.5475	0.1442	3.4400e-003	0.1477		540.1844	540.1844	0.0219		540.7311

3.5 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	21.1964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	21.4628	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.5 Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2584	0.2228	2.2102	5.2700e-003	0.5437	3.6000e-003	0.5473	0.1442	3.3200e-003	0.1475		524.3416	524.3416	0.0193		524.8231
Total	0.2584	0.2228	2.2102	5.2700e-003	0.5437	3.6000e-003	0.5473	0.1442	3.3200e-003	0.1475		524.3416	524.3416	0.0193		524.8231

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	21.1964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0238		282.0423
Total	21.2558	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0238		282.0423

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.5 Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2584	0.2228	2.2102	5.2700e-003	0.5437	3.6000e-003	0.5473	0.1442	3.3200e-003	0.1475		524.3416	524.3416	0.0193		524.8231
Total	0.2584	0.2228	2.2102	5.2700e-003	0.5437	3.6000e-003	0.5473	0.1442	3.3200e-003	0.1475		524.3416	524.3416	0.0193		524.8231

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.4362					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.8907	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.6 Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0705	0.0608	0.6028	1.4400e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		143.0023	143.0023	5.2500e-003		143.1336
Total	0.0705	0.0608	0.6028	1.4400e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		143.0023	143.0023	5.2500e-003		143.1336

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.3047	0.3047		0.3047	0.3047	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.4362					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9972	11.2952	17.2957	0.0228		0.3047	0.3047		0.3047	0.3047	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

3.6 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0705	0.0608	0.6028	1.4400e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		143.0023	143.0023	5.2500e-003		143.1336
Total	0.0705	0.0608	0.6028	1.4400e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		143.0023	143.0023	5.2500e-003		143.1336

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.4953	20.2339	55.2733	0.1417	11.9424	0.1732	12.1155	3.1920	0.1631	3.3551		14,270.0678	14,270.0678	0.6209		14,285.5905
Unmitigated	5.4953	20.2339	55.2733	0.1417	11.9424	0.1732	12.1155	3.1920	0.1631	3.3551		14,270.0678	14,270.0678	0.6209		14,285.5905

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	300.00	67.00	28.50	518,513	518,513
Hotel	970.00	972.00	706.00	1,502,636	1,502,636
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	443.50	519.00	262.00	618,505	618,505
Single Family Housing	997.64	1,036.84	903.56	2,515,633	2,515,633
Total	2,711.14	2,594.84	1,900.06	5,155,287	5,155,287

4.3 Trip Type Information

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4
Hotel	13.00	5.00	5.00	19.40	61.60	19.00	58	38	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Hotel	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Parking Lot	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Parking Lot	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Regional Shopping Center	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Single Family Housing	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install Energy Efficient Appliances

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.4964	4.4202	3.1101	0.0271		0.3430	0.3430		0.3430	0.3430		5,415.6273	5,415.6273	0.1038	0.0993	5,447.8097
NaturalGas Unmitigated	0.6058	5.3935	3.7931	0.0330		0.4185	0.4185		0.4185	0.4185		6,608.4318	6,608.4318	0.1267	0.1212	6,647.7024

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					
General Office Building	1126.71	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
Hotel	35412.9	0.3819	3.4719	2.9164	0.0208		0.2639	0.2639		0.2639	0.2639		4,166.2221	4,166.2221	0.0799	0.0764	4,190.9799
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
Regional Shopping Center	326.027	3.5200e-003	0.0320	0.0269	1.9000e-004		2.4300e-003	2.4300e-003		2.4300e-003	2.4300e-003		38.3562	38.3562	7.4000e-004	7.0000e-004	38.5841
Single Family Housing	19306	0.2082	1.7792	0.7571	0.0114		0.1439	0.1439		0.1439	0.1439		2,271.2992	2,271.2992	0.0435	0.0416	2,284.7964
Total		0.6058	5.3935	3.7931	0.0330		0.4185	0.4185		0.4185	0.4185		6,608.4318	6,608.4318	0.1267	0.1212	6,647.7024

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.902192	9.7300e-003	0.0885	0.0743	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.1402	106.1402	2.0300e-003	1.9500e-003	106.7710
Hotel	29.0861	0.3137	2.8516	2.3953	0.0171		0.2167	0.2167		0.2167	0.2167		3,421.8995	3,421.8995	0.0656	0.0627	3,442.2341
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
Regional Shopping Center	0.260822	2.8100e-003	0.0256	0.0215	1.5000e-004		1.9400e-003	1.9400e-003		1.9400e-003	1.9400e-003		30.6849	30.6849	5.9000e-004	5.6000e-004	30.8673
Single Family Housing	15.7837	0.1702	1.4546	0.6190	9.2800e-003		0.1176	0.1176		0.1176	0.1176		1,856.9027	1,856.9027	0.0356	0.0340	1,867.9373
Total		0.4964	4.4202	3.1101	0.0271		0.3430	0.3430		0.3430	0.3430		5,415.6273	5,415.6273	0.1038	0.0993	5,447.8097

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	21.2782	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893	0.0000	29.1772	29.1772	0.0286	0.0000	29.8910
Unmitigated	21.2782	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893	0.0000	29.1772	29.1772	0.0286	0.0000	29.8910

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.3606					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.4208					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	0.4967	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893		29.1772	29.1772	0.0286		29.8910
Total	21.2782	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893	0.0000	29.1772	29.1772	0.0286	0.0000	29.8910

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.3606					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.4208					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	0.4967	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893		29.1772	29.1772	0.0286		29.8910
Total	21.2782	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893	0.0000	29.1772	29.1772	0.0286	0.0000	29.8910

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summer

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

Mitigated - San Luis Ranch Project - 2018 Start
San Luis Obispo County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	0.63	25,000.00	0
Parking Lot	2.10	Acre	2.10	91,476.00	0
Parking Lot	1.23	Acre	1.23	53,361.00	0
Hotel	200.00	Room	3.50	290,400.00	0
Single Family Housing	196.00	Dwelling Unit	15.00	352,800.00	561
Regional Shopping Center	50.00	1000sqft	1.15	50,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 1, 2, 4, 5, and 6.

Construction Phase - No demolition in phases 1, 2, 4, 5 and 6. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Grading - Total import proportionally distributed by phase acreage.

Architectural Coating - Per MM AQ-2

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Woodstoves - Per MM AQ-3

Construction Off-road Equipment Mitigation - Per MM AQ-2

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Area Mitigation - Per MM AQ-3

Energy Mitigation - Per Specific Plan, appliances will be energy efficient. Exceed Title 24 per MM AQ-3

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	185.00
tblFleetMix	FleetMixLandUseSubType	Parking Lot	Hotel
tblFleetMix	FleetMixLandUseSubType	Hotel	Parking Lot
tblFleetMix	FleetMixLandUseSubType	Single Family Housing	Regional Shopping Center
tblFleetMix	FleetMixLandUseSubType	Regional Shopping Center	Single Family Housing
tblGrading	MaterialImported	0.00	91,760.00
tblLandUse	BuildingSpaceSquareFeet	53,578.80	53,361.00
tblLandUse	LandUseSquareFeet	53,578.80	53,361.00
tblLandUse	LotAcreage	0.57	0.63
tblLandUse	LotAcreage	6.67	3.50
tblLandUse	LotAcreage	63.64	15.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblVehicleTrips	ST_TR	2.46	2.68
tblVehicleTrips	ST_TR	8.19	4.86
tblVehicleTrips	ST_TR	49.97	10.38
tblVehicleTrips	ST_TR	9.91	5.29
tblVehicleTrips	SU_TR	1.05	1.14
tblVehicleTrips	SU_TR	5.95	3.53

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

tblVehicleTrips	SU_TR	25.24	5.24
tblVehicleTrips	SU_TR	8.62	4.61
tblVehicleTrips	WD_TR	11.03	12.00
tblVehicleTrips	WD_TR	8.17	4.85
tblVehicleTrips	WD_TR	42.70	8.87
tblVehicleTrips	WD_TR	9.52	5.09
tblWoodstoves	WoodstoveDayYear	60.00	0.00
tblWoodstoves	WoodstoveWoodMass	2,016.00	0.00

2.0 Emissions Summary

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.2782	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893	0.0000	29.1772	29.1772	0.0286	0.0000	29.8910
Energy	0.6058	5.3935	3.7931	0.0330		0.4185	0.4185		0.4185	0.4185		6,608.4318	6,608.4318	0.1267	0.1212	6,647.7024
Mobile	5.3483	20.9785	57.4800	0.1361	11.9424	0.1750	12.1174	3.1920	0.1649	3.3569		13,705.1778	13,705.1778	0.6332		13,721.0087
Total	27.2322	26.5599	77.5257	0.1700	11.9424	0.6829	12.6252	3.1920	0.6727	3.8647	0.0000	20,342.7867	20,342.7867	0.7885	0.1212	20,398.6022

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	21.2782	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893	0.0000	29.1772	29.1772	0.0286	0.0000	29.8910
Energy	0.4964	4.4202	3.1101	0.0271		0.3430	0.3430		0.3430	0.3430		5,415.6273	5,415.6273	0.1038	0.0993	5,447.8097
Mobile	5.3483	20.9785	57.4800	0.1361	11.9424	0.1750	12.1174	3.1920	0.1649	3.3569		13,705.1778	13,705.1778	0.6332		13,721.0087
Total	27.1229	25.5866	76.8427	0.1641	11.9424	0.6073	12.5497	3.1920	0.5972	3.7892	0.0000	19,149.9822	19,149.9822	0.7656	0.0993	19,198.7094

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.40	3.66	0.88	3.51	0.00	11.06	0.60	0.00	11.23	1.95	0.00	5.86	5.86	2.90	18.04	5.88

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	
2	Grading	Grading	1/13/2018	2/23/2018	5	35	
3	Building Construction	Building Construction	2/24/2018	4/19/2019	5	370	
4	Architectural Coating	Architectural Coating	9/3/2018	5/17/2019	5	185	
5	Paving	Paving	4/20/2019	5/17/2019	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 87.5

Acres of Paving: 3.33

Residential Indoor: 714,420; Residential Outdoor: 238,140; Non-Residential Indoor: 548,100; Non-Residential Outdoor: 182,700; Striped Parking Area: 8,690 (Architectural Coating – sqft)

OffRoad Equipment

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	11,470.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	277.00	105.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	55.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

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

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.2 Site Preparation - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1070	0.0946	0.8091	1.7000e-003	0.1780	1.2200e-003	0.1792	0.0472	1.1200e-003	0.0483		168.5325	168.5325	7.0000e-003		168.7073
Total	0.1070	0.0946	0.8091	1.7000e-003	0.1780	1.2200e-003	0.1792	0.0472	1.1200e-003	0.0483		168.5325	168.5325	7.0000e-003		168.7073

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9312	19.0656	22.9600	0.0380		0.4731	0.4731		0.4731	0.4731	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	0.9312	19.0656	22.9600	0.0380	18.0663	0.4731	18.5393	9.9307	0.4731	10.4038	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.2 Site Preparation - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1070	0.0946	0.8091	1.7000e-003	0.1780	1.2200e-003	0.1792	0.0472	1.1200e-003	0.0483		168.5325	168.5325	7.0000e-003		168.7073
Total	0.1070	0.0946	0.8091	1.7000e-003	0.1780	1.2200e-003	0.1792	0.0472	1.1200e-003	0.0483		168.5325	168.5325	7.0000e-003		168.7073

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1559	0.0000	9.1559	3.6696	0.0000	3.6696			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	5.0901	59.5218	35.0894	0.0620	9.1559	2.6337	11.7896	3.6696	2.4230	6.0926		6,244.4284	6,244.4284	1.9440		6,293.0278

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.3 Grading - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.9377	121.0318	28.6781	0.2612	6.4360	0.9000	7.3360	1.7422	0.8610	2.6032		28,053.5166	28,053.5166	1.6194		28,094.0023
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1189	0.1051	0.8989	1.8800e-003	0.1977	1.3500e-003	0.1991	0.0524	1.2500e-003	0.0537		187.2583	187.2583	7.7700e-003		187.4526
Total	4.0566	121.1369	29.5770	0.2631	6.6338	0.9013	7.5351	1.7946	0.8623	2.6569		28,240.7749	28,240.7749	1.6272		28,281.4549

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.1559	0.0000	9.1559	3.6696	0.0000	3.6696			0.0000			0.0000
Off-Road	1.5231	29.9782	36.7226	0.0620		0.6497	0.6497		0.6497	0.6497	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	1.5231	29.9782	36.7226	0.0620	9.1559	0.6497	9.8056	3.6696	0.6497	4.3193	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.3 Grading - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.9377	121.0318	28.6781	0.2612	6.4360	0.9000	7.3360	1.7422	0.8610	2.6032		28,053.5166	28,053.5166	1.6194		28,094.0023
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1189	0.1051	0.8989	1.8800e-003	0.1977	1.3500e-003	0.1991	0.0524	1.2500e-003	0.0537		187.2583	187.2583	7.7700e-003		187.4526
Total	4.0566	121.1369	29.5770	0.2631	6.6338	0.9013	7.5351	1.7946	0.8623	2.6569		28,240.7749	28,240.7749	1.6272		28,281.4549

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.4 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.5809	12.4291	4.4864	0.0207	0.4872	0.1186	0.6058	0.1403	0.1134	0.2537		2,198.4920	2,198.4920	0.1535			2,202.3301
Worker	1.6464	1.4551	12.4504	0.0261	2.7385	0.0187	2.7572	0.7263	0.0173	0.7436		2,593.5272	2,593.5272	0.1077			2,596.2185
Total	2.2273	13.8842	16.9368	0.0468	3.2257	0.1373	3.3630	0.8666	0.1307	0.9973		4,792.0192	4,792.0192	0.2612			4,798.5486

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,620.9351	2,620.9351	0.6421			2,636.9883
Total	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,620.9351	2,620.9351	0.6421			2,636.9883

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.4 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5809	12.4291	4.4864	0.0207	0.4872	0.1186	0.6058	0.1403	0.1134	0.2537		2,198.4920	2,198.4920	0.1535		2,202.3301
Worker	1.6464	1.4551	12.4504	0.0261	2.7385	0.0187	2.7572	0.7263	0.0173	0.7436		2,593.5272	2,593.5272	0.1077		2,596.2185
Total	2.2273	13.8842	16.9368	0.0468	3.2257	0.1373	3.3630	0.8666	0.1307	0.9973		4,792.0192	4,792.0192	0.2612		4,798.5486

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.4 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5054	11.8154	3.9662	0.0206	0.4873	0.0974	0.5847	0.1403	0.0932	0.2335		2,191.5754	2,191.5754	0.1483		2,195.2818
Worker	1.4804	1.2739	10.8880	0.0253	2.7385	0.0181	2.7566	0.7263	0.0167	0.7430		2,517.2508	2,517.2508	0.0945		2,519.6131
Total	1.9858	13.0893	14.8542	0.0459	3.2258	0.1155	3.3412	0.8666	0.1099	0.9765		4,708.8263	4,708.8263	0.2427		4,714.8949

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.4 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5054	11.8154	3.9662	0.0206	0.4873	0.0974	0.5847	0.1403	0.0932	0.2335		2,191.5754	2,191.5754	0.1483		2,195.2818
Worker	1.4804	1.2739	10.8880	0.0253	2.7385	0.0181	2.7566	0.7263	0.0167	0.7430		2,517.2508	2,517.2508	0.0945		2,519.6131
Total	1.9858	13.0893	14.8542	0.0459	3.2258	0.1155	3.3412	0.8666	0.1099	0.9765		4,708.8263	4,708.8263	0.2427		4,714.8949

3.5 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	21.1964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	21.4950	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.5 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3269	0.2889	2.4721	5.1800e-003	0.5437	3.7200e-003	0.5475	0.1442	3.4400e-003	0.1477		514.9603	514.9603	0.0214		515.4947
Total	0.3269	0.2889	2.4721	5.1800e-003	0.5437	3.7200e-003	0.5475	0.1442	3.4400e-003	0.1477		514.9603	514.9603	0.0214		515.4947

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	21.1964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4485	281.4485	0.0267		282.1171
Total	21.2558	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4485	281.4485	0.0267		282.1171

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.5 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3269	0.2889	2.4721	5.1800e-003	0.5437	3.7200e-003	0.5475	0.1442	3.4400e-003	0.1477		514.9603	514.9603	0.0214		515.4947
Total	0.3269	0.2889	2.4721	5.1800e-003	0.5437	3.7200e-003	0.5475	0.1442	3.4400e-003	0.1477		514.9603	514.9603	0.0214		515.4947

3.5 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	21.1964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	21.4628	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.5 Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2939	0.2529	2.1619	5.0200e-003	0.5437	3.6000e-003	0.5473	0.1442	3.3200e-003	0.1475		499.8152	499.8152	0.0188		500.2842
Total	0.2939	0.2529	2.1619	5.0200e-003	0.5437	3.6000e-003	0.5473	0.1442	3.3200e-003	0.1475		499.8152	499.8152	0.0188		500.2842

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	21.1964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0238		282.0423
Total	21.2558	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0238		282.0423

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.5 Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2939	0.2529	2.1619	5.0200e-003	0.5437	3.6000e-003	0.5473	0.1442	3.3200e-003	0.1475		499.8152	499.8152	0.0188		500.2842
Total	0.2939	0.2529	2.1619	5.0200e-003	0.5437	3.6000e-003	0.5473	0.1442	3.3200e-003	0.1475		499.8152	499.8152	0.0188		500.2842

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.4362					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.8907	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.6 Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0802	0.0690	0.5896	1.3700e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		136.3132	136.3132	5.1200e-003		136.4411
Total	0.0802	0.0690	0.5896	1.3700e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		136.3132	136.3132	5.1200e-003		136.4411

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.3047	0.3047		0.3047	0.3047	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.4362					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9972	11.2952	17.2957	0.0228		0.3047	0.3047		0.3047	0.3047	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

3.6 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0802	0.0690	0.5896	1.3700e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		136.3132	136.3132	5.1200e-003		136.4411
Total	0.0802	0.0690	0.5896	1.3700e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		136.3132	136.3132	5.1200e-003		136.4411

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.3483	20.9785	57.4800	0.1361	11.9424	0.1750	12.1174	3.1920	0.1649	3.3569		13,705.1778	13,705.1778	0.6332		13,721.0087
Unmitigated	5.3483	20.9785	57.4800	0.1361	11.9424	0.1750	12.1174	3.1920	0.1649	3.3569		13,705.1778	13,705.1778	0.6332		13,721.0087

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	300.00	67.00	28.50	518,513	518,513
Hotel	970.00	972.00	706.00	1,502,636	1,502,636
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	443.50	519.00	262.00	618,505	618,505
Single Family Housing	997.64	1,036.84	903.56	2,515,633	2,515,633
Total	2,711.14	2,594.84	1,900.06	5,155,287	5,155,287

4.3 Trip Type Information

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4
Hotel	13.00	5.00	5.00	19.40	61.60	19.00	58	38	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Hotel	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Parking Lot	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Parking Lot	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Regional Shopping Center	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695
Single Family Housing	0.559162	0.032279	0.198583	0.128083	0.030808	0.007362	0.013004	0.019140	0.002385	0.001267	0.005421	0.000811	0.001695

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install Energy Efficient Appliances

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.4964	4.4202	3.1101	0.0271		0.3430	0.3430		0.3430	0.3430		5,415.6273	5,415.6273	0.1038	0.0993	5,447.8097
NaturalGas Unmitigated	0.6058	5.3935	3.7931	0.0330		0.4185	0.4185		0.4185	0.4185		6,608.4318	6,608.4318	0.1267	0.1212	6,647.7024

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					
General Office Building	1126.71	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
Hotel	35412.9	0.3819	3.4719	2.9164	0.0208		0.2639	0.2639		0.2639	0.2639		4,166.2221	4,166.2221	0.0799	0.0764	4,190.9799
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
Regional Shopping Center	326.027	3.5200e-003	0.0320	0.0269	1.9000e-004		2.4300e-003	2.4300e-003		2.4300e-003	2.4300e-003		38.3562	38.3562	7.4000e-004	7.0000e-004	38.5841
Single Family Housing	19306	0.2082	1.7792	0.7571	0.0114		0.1439	0.1439		0.1439	0.1439		2,271.2992	2,271.2992	0.0435	0.0416	2,284.7964
Total		0.6058	5.3935	3.7931	0.0330		0.4185	0.4185		0.4185	0.4185		6,608.4318	6,608.4318	0.1267	0.1212	6,647.7024

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.902192	9.7300e-003	0.0885	0.0743	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.1402	106.1402	2.0300e-003	1.9500e-003	106.7710
Hotel	29.0861	0.3137	2.8516	2.3953	0.0171		0.2167	0.2167		0.2167	0.2167		3,421.8995	3,421.8995	0.0656	0.0627	3,442.2341
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
Regional Shopping Center	0.260822	2.8100e-003	0.0256	0.0215	1.5000e-004		1.9400e-003	1.9400e-003		1.9400e-003	1.9400e-003		30.6849	30.6849	5.9000e-004	5.6000e-004	30.8673
Single Family Housing	15.7837	0.1702	1.4546	0.6190	9.2800e-003		0.1176	0.1176		0.1176	0.1176		1,856.9027	1,856.9027	0.0356	0.0340	1,867.9373
Total		0.4964	4.4202	3.1101	0.0271		0.3430	0.3430		0.3430	0.3430		5,415.6273	5,415.6273	0.1038	0.0993	5,447.8097

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	21.2782	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893	0.0000	29.1772	29.1772	0.0286	0.0000	29.8910
Unmitigated	21.2782	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893	0.0000	29.1772	29.1772	0.0286	0.0000	29.8910

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.3606					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.4208					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	0.4967	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893		29.1772	29.1772	0.0286		29.8910
Total	21.2782	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893	0.0000	29.1772	29.1772	0.0286	0.0000	29.8910

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	5.3606					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.4208					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	0.4967	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893		29.1772	29.1772	0.0286		29.8910
Total	21.2782	0.1879	16.2526	8.6000e-004		0.0893	0.0893		0.0893	0.0893	0.0000	29.1772	29.1772	0.0286	0.0000	29.8910

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Winter

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summary Report

Mitigated - San Luis Ranch Project - 2018 Start
San Luis Obispo County APCD, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	0.63	25,000.00	0
Parking Lot	2.10	Acre	2.10	91,476.00	0
Parking Lot	1.23	Acre	1.23	53,361.00	0
Hotel	200.00	Room	3.50	290,400.00	0
Single Family Housing	196.00	Dwelling Unit	15.00	352,800.00	561
Regional Shopping Center	50.00	1000sqft	1.15	50,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Mitigated - San Luis Ranch Project - 2018 Start - San Luis Obispo County APCD Air District, Summary Report

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 1, 2, 4, 5, and 6.

Construction Phase - No demolition in phases 1, 2, 4, 5 and 6. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Grading - Total import proportionally distributed by phase acreage.

Architectural Coating - Per MM AQ-2

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Woodstoves - Per MM AQ-3

Construction Off-road Equipment Mitigation - Per MM AQ-2

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Area Mitigation - Per MM AQ-3

Energy Mitigation - Per Specific Plan, appliances will be energy efficient. Exceed Title 24 per MM AQ-3

Water Mitigation -

2.0 Peak Daily Emissions

Peak Daily Construction Emissions

Peak Daily Construction Emissions

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

Mitigated - San Luis Ranch Project - 2019 Start
San Luis Obispo County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	0.63	25,000.00	0
Parking Lot	1.90	Acre	1.90	82,764.00	0
Parking Lot	1.80	Acre	1.80	78,408.00	0
Parking Lot	0.70	Acre	0.70	30,492.00	0
City Park	5.80	Acre	5.80	252,648.00	0
Apartments Mid Rise	197.00	Dwelling Unit	7.20	197,000.00	563
Single Family Housing	18.00	Dwelling Unit	9.10	32,400.00	51
Regional Shopping Center	25.00	1000sqft	0.57	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 1, 2, 3, 5, and 6; and Dalidio improvements.

Construction Phase - No demolition in phases 1, 2, 4, 5 and 6. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition - Building sf estimated using Google Earth

Grading - Total import proportionally distributed by phase acreage.

Architectural Coating - Per MM AQ-2

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Woodstoves - PEr MM AQ-3

Construction Off-road Equipment Mitigation - per MM AQ-2

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Area Mitigation - Per MM AQ-3

Energy Mitigation - Per Specific Plan, appliances will be energy efficient. Exceed Title 24 per MM AQ-3

Water Mitigation - Total outdoor water use for these land uses = 20.7 Mgal, with park at 6.9 Mgal; Park using reclaimed = 33% of total.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2

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tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	35.00	220.00
tblGrading	MaterialImported	0.00	84,320.00
tblLandUse	LotAcreage	0.57	0.63
tblLandUse	LotAcreage	5.18	7.20
tblLandUse	LotAcreage	5.84	9.10
tblProjectCharacteristics	OperationalYear	2018	2022
tblVehicleTrips	ST_TR	6.39	5.29
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.46	2.68
tblVehicleTrips	ST_TR	49.97	10.38
tblVehicleTrips	ST_TR	9.91	5.29
tblVehicleTrips	SU_TR	5.86	4.61
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.05	1.14
tblVehicleTrips	SU_TR	25.24	5.24

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tblVehicleTrips	SU_TR	8.62	4.61
tblVehicleTrips	WD_TR	6.65	5.09
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	12.00
tblVehicleTrips	WD_TR	42.70	8.87
tblVehicleTrips	WD_TR	9.52	5.09
tblWoodstoves	WoodstoveDayYear	60.00	0.00
tblWoodstoves	WoodstoveDayYear	60.00	0.00
tblWoodstoves	WoodstoveWoodMass	2,016.00	0.00
tblWoodstoves	WoodstoveWoodMass	2,016.00	0.00

2.0 Emissions Summary

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, 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					
2019	0.6377	6.9536	4.6124	0.0133	0.8109	0.2324	1.0433	0.2957	0.2170	0.5126	0.0000	1,234.1606	1,234.1606	0.1558	0.0000	1,238.0562
2020	1.2429	4.2840	4.5851	0.0111	0.5628	0.1670	0.7298	0.1510	0.1576	0.3086	0.0000	1,006.7069	1,006.7069	0.1053	0.0000	1,009.3392
2021	0.2435	0.4402	0.5411	1.1000e-003	0.0415	0.0202	0.0617	0.0111	0.0189	0.0300	0.0000	98.0959	98.0959	0.0168	0.0000	98.5146
Maximum	1.2429	6.9536	4.6124	0.0133	0.8109	0.2324	1.0433	0.2957	0.2170	0.5126	0.0000	1,234.1606	1,234.1606	0.1558	0.0000	1,238.0562

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					
2019	0.3525	5.3055	4.7948	0.0133	0.8109	0.0843	0.8952	0.2957	0.0833	0.3789	0.0000	1,234.1601	1,234.1601	0.1558	0.0000	1,238.0557
2020	1.0376	3.6059	4.7195	0.0111	0.5628	0.0743	0.6372	0.1510	0.0737	0.2247	0.0000	1,006.7065	1,006.7065	0.1053	0.0000	1,009.3389
2021	0.2202	0.3886	0.5955	1.1000e-003	0.0415	9.5700e-003	0.0511	0.0111	9.5500e-003	0.0206	0.0000	98.0959	98.0959	0.0168	0.0000	98.5145
Maximum	1.0376	5.3055	4.7948	0.0133	0.8109	0.0843	0.8952	0.2957	0.0833	0.3789	0.0000	1,234.1601	1,234.1601	0.1558	0.0000	1,238.0557

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, 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
Percent Reduction	24.19	20.36	-3.81	0.00	0.00	59.93	13.71	0.00	57.67	26.66	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2019	3-31-2019	2.1295	1.3312
2	4-1-2019	6-30-2019	2.8516	2.2789
3	7-1-2019	9-30-2019	1.2726	0.9920
4	10-1-2019	12-31-2019	1.2858	1.0052
5	1-1-2020	3-31-2020	1.1543	0.9461
6	4-1-2020	6-30-2020	1.3501	1.1316
7	7-1-2020	9-30-2020	1.4899	1.2627
8	10-1-2020	12-31-2020	1.5038	1.2766
9	1-1-2021	3-31-2021	0.7033	0.6263
		Highest	2.8516	2.2789

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

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	1.6153	0.0338	2.9309	1.5000e-004		0.0162	0.0162		0.0162	0.0162	0.0000	4.7827	4.7827	4.6200e-003	0.0000	4.8982
Energy	0.0178	0.1534	0.0748	9.7000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	735.3627	735.3627	0.0287	8.4600e-003	738.6004
Mobile	0.4526	1.9214	5.0764	0.0147	1.3472	0.0152	1.3623	0.3607	0.0142	0.3749	0.0000	1,346.4177	1,346.4177	0.0537	0.0000	1,347.7604
Waste						0.0000	0.0000		0.0000	0.0000	32.7891	0.0000	32.7891	1.9378	0.0000	81.2337
Water						0.0000	0.0000		0.0000	0.0000	6.4413	51.9165	58.3578	0.6639	0.0161	79.7559
Total	2.0857	2.1085	8.0821	0.0158	1.3472	0.0437	1.3908	0.3607	0.0427	0.4034	39.2304	2,138.4796	2,177.7100	2.6887	0.0246	2,252.2485

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, 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	1.6153	0.0338	2.9309	1.5000e-004		0.0162	0.0162		0.0162	0.0162	0.0000	4.7827	4.7827	4.6200e-003	0.0000	4.8982
Energy	0.0150	0.1290	0.0625	8.2000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	682.0524	682.0524	0.0270	7.7100e-003	685.0246
Mobile	0.4526	1.9214	5.0764	0.0147	1.3472	0.0152	1.3623	0.3607	0.0142	0.3749	0.0000	1,346.4177	1,346.4177	0.0537	0.0000	1,347.7604
Waste						0.0000	0.0000		0.0000	0.0000	32.7891	0.0000	32.7891	1.9378	0.0000	81.2337
Water						0.0000	0.0000		0.0000	0.0000	6.4413	49.2822	55.7235	0.6638	0.0161	77.1113
Total	2.0829	2.0841	8.0698	0.0157	1.3472	0.0417	1.3889	0.3607	0.0408	0.4014	39.2304	2,082.5350	2,121.7654	2.6869	0.0238	2,196.0281

	ROG	NOx	CO	SO2	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	0.14	1.16	0.15	0.95	0.00	4.47	0.14	0.00	4.56	0.48	0.00	2.62	2.57	0.07	3.17	2.50

3.0 Construction Detail

Construction Phase

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2019	2/11/2019	5	30	
2	Site Preparation	Site Preparation	2/12/2019	3/11/2019	5	20	
3	Grading	Grading	3/12/2019	5/13/2019	5	45	
4	Building Construction	Building Construction	5/14/2019	1/18/2021	5	440	
5	Architectural Coating	Architectural Coating	5/5/2020	3/8/2021	5	220	
6	Paving	Paving	1/19/2021	3/8/2021	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 4.4

Residential Indoor: 464,535; Residential Outdoor: 154,845; Non-Residential Indoor: 75,000; Non-Residential Outdoor: 25,000; Striped Parking Area: 11,500 (Architectural Coating – sqft)

OffRoad Equipment

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, 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	80.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	10,540.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	351.00	104.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	70.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Clean Paved Roads

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.9300e-003	0.0000	8.9300e-003	1.3500e-003	0.0000	1.3500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0527	0.5367	0.3309	5.8000e-004		0.0269	0.0269		0.0250	0.0250	0.0000	51.9395	51.9395	0.0145	0.0000	52.3007
Total	0.0527	0.5367	0.3309	5.8000e-004	8.9300e-003	0.0269	0.0359	1.3500e-003	0.0250	0.0264	0.0000	51.9395	51.9395	0.0145	0.0000	52.3007

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3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.1000e-004	0.0141	3.0500e-003	3.0000e-005	6.8000e-004	8.0000e-005	7.7000e-004	1.9000e-004	8.0000e-005	2.7000e-004	0.0000	3.1040	3.1040	1.8000e-004	0.0000	3.1084
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0800e-003	1.0200e-003	8.7900e-003	2.0000e-005	2.1700e-003	1.0000e-005	2.1800e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.8700	1.8700	7.0000e-005	0.0000	1.8718
Total	1.4900e-003	0.0151	0.0118	5.0000e-005	2.8500e-003	9.0000e-005	2.9500e-003	7.7000e-004	9.0000e-005	8.6000e-004	0.0000	4.9740	4.9740	2.5000e-004	0.0000	4.9802

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					8.9300e-003	0.0000	8.9300e-003	1.3500e-003	0.0000	1.3500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0139	0.2747	0.3701	5.8000e-004		6.4700e-003	6.4700e-003		6.4700e-003	6.4700e-003	0.0000	51.9394	51.9394	0.0145	0.0000	52.3007
Total	0.0139	0.2747	0.3701	5.8000e-004	8.9300e-003	6.4700e-003	0.0154	1.3500e-003	6.4700e-003	7.8200e-003	0.0000	51.9394	51.9394	0.0145	0.0000	52.3007

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3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.1000e-004	0.0141	3.0500e-003	3.0000e-005	6.8000e-004	8.0000e-005	7.7000e-004	1.9000e-004	8.0000e-005	2.7000e-004	0.0000	3.1040	3.1040	1.8000e-004	0.0000	3.1084
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0800e-003	1.0200e-003	8.7900e-003	2.0000e-005	2.1700e-003	1.0000e-005	2.1800e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.8700	1.8700	7.0000e-005	0.0000	1.8718
Total	1.4900e-003	0.0151	0.0118	5.0000e-005	2.8500e-003	9.0000e-005	2.9500e-003	7.7000e-004	9.0000e-005	8.6000e-004	0.0000	4.9740	4.9740	2.5000e-004	0.0000	4.9802

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0434	0.4557	0.2206	3.8000e-004		0.0239	0.0239		0.0220	0.0220	0.0000	34.1687	34.1687	0.0108	0.0000	34.4390
Total	0.0434	0.4557	0.2206	3.8000e-004	0.1807	0.0239	0.2046	0.0993	0.0220	0.1213	0.0000	34.1687	34.1687	0.0108	0.0000	34.4390

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3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6000e-004	8.1000e-004	7.0400e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.4960	1.4960	6.0000e-005	0.0000	1.4974
Total	8.6000e-004	8.1000e-004	7.0400e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.4960	1.4960	6.0000e-005	0.0000	1.4974

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.3100e-003	0.1907	0.2296	3.8000e-004		4.7300e-003	4.7300e-003		4.7300e-003	4.7300e-003	0.0000	34.1687	34.1687	0.0108	0.0000	34.4389
Total	9.3100e-003	0.1907	0.2296	3.8000e-004	0.1807	4.7300e-003	0.1854	0.0993	4.7300e-003	0.1040	0.0000	34.1687	34.1687	0.0108	0.0000	34.4389

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3.3 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6000e-004	8.1000e-004	7.0400e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.4960	1.4960	6.0000e-005	0.0000	1.4974
Total	8.6000e-004	8.1000e-004	7.0400e-003	2.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.4960	1.4960	6.0000e-005	0.0000	1.4974

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2029	0.0000	0.2029	0.0821	0.0000	0.0821	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1066	1.2267	0.7510	1.4000e-003		0.0536	0.0536		0.0493	0.0493	0.0000	125.3280	125.3280	0.0397	0.0000	126.3193
Total	0.1066	1.2267	0.7510	1.4000e-003	0.2029	0.0536	0.2565	0.0821	0.0493	0.1314	0.0000	125.3280	125.3280	0.0397	0.0000	126.3193

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3.4 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0542	1.8510	0.4013	4.1900e-003	0.0898	0.0110	0.1008	0.0247	0.0105	0.0352	0.0000	408.9485	408.9485	0.0232	0.0000	409.5292
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1600e-003	2.0300e-003	0.0176	4.0000e-005	4.3300e-003	3.0000e-005	4.3600e-003	1.1500e-003	3.0000e-005	1.1800e-003	0.0000	3.7401	3.7401	1.4000e-004	0.0000	3.7436
Total	0.0564	1.8530	0.4189	4.2300e-003	0.0942	0.0110	0.1052	0.0258	0.0106	0.0364	0.0000	412.6885	412.6885	0.0234	0.0000	413.2727

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2029	0.0000	0.2029	0.0821	0.0000	0.0821	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0343	0.6745	0.8263	1.4000e-003		0.0146	0.0146		0.0146	0.0146	0.0000	125.3278	125.3278	0.0397	0.0000	126.3191
Total	0.0343	0.6745	0.8263	1.4000e-003	0.2029	0.0146	0.2175	0.0821	0.0146	0.0967	0.0000	125.3278	125.3278	0.0397	0.0000	126.3191

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3.4 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0542	1.8510	0.4013	4.1900e-003	0.0898	0.0110	0.1008	0.0247	0.0105	0.0352	0.0000	408.9485	408.9485	0.0232	0.0000	409.5292
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1600e-003	2.0300e-003	0.0176	4.0000e-005	4.3300e-003	3.0000e-005	4.3600e-003	1.1500e-003	3.0000e-005	1.1800e-003	0.0000	3.7401	3.7401	1.4000e-004	0.0000	3.7436
Total	0.0564	1.8530	0.4189	4.2300e-003	0.0942	0.0110	0.1052	0.0258	0.0106	0.0364	0.0000	412.6885	412.6885	0.0234	0.0000	413.2727

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1960	1.7495	1.4246	2.2300e-003		0.1071	0.1071		0.1007	0.1007	0.0000	195.1365	195.1365	0.0475	0.0000	196.3249
Total	0.1960	1.7495	1.4246	2.2300e-003		0.1071	0.1071		0.1007	0.1007	0.0000	195.1365	195.1365	0.0475	0.0000	196.3249

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3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0404	0.9846	0.3089	1.7300e-003	0.0392	7.8800e-003	0.0471	0.0113	7.5400e-003	0.0189	0.0000	166.2974	166.2974	0.0107	0.0000	166.5645
Worker	0.1399	0.1315	1.1387	2.6800e-003	0.2805	1.9000e-003	0.2824	0.0745	1.7600e-003	0.0763	0.0000	242.1319	242.1319	9.0300e-003	0.0000	242.3576
Total	0.1803	1.1160	1.4475	4.4100e-003	0.3197	9.7800e-003	0.3295	0.0859	9.3000e-003	0.0952	0.0000	408.4294	408.4294	0.0197	0.0000	408.9220

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0559	1.1808	1.4835	2.2300e-003		0.0375	0.0375		0.0375	0.0375	0.0000	195.1363	195.1363	0.0475	0.0000	196.3247
Total	0.0559	1.1808	1.4835	2.2300e-003		0.0375	0.0375		0.0375	0.0375	0.0000	195.1363	195.1363	0.0475	0.0000	196.3247

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3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0404	0.9846	0.3089	1.7300e-003	0.0392	7.8800e-003	0.0471	0.0113	7.5400e-003	0.0189	0.0000	166.2974	166.2974	0.0107	0.0000	166.5645
Worker	0.1399	0.1315	1.1387	2.6800e-003	0.2805	1.9000e-003	0.2824	0.0745	1.7600e-003	0.0763	0.0000	242.1319	242.1319	9.0300e-003	0.0000	242.3576
Total	0.1803	1.1160	1.4475	4.4100e-003	0.3197	9.7800e-003	0.3295	0.0859	9.3000e-003	0.0952	0.0000	408.4294	408.4294	0.0197	0.0000	408.9220

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4091	303.4091	0.0740	0.0000	305.2596
Total	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4091	303.4091	0.0740	0.0000	305.2596

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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0507	1.4182	0.4297	2.7200e-003	0.0619	7.7300e-003	0.0696	0.0179	7.4000e-003	0.0253	0.0000	262.1100	262.1100	0.0158	0.0000	262.5042
Worker	0.2011	0.1827	1.5816	4.1000e-003	0.4427	2.9100e-003	0.4456	0.1176	2.6800e-003	0.1203	0.0000	370.3347	370.3347	0.0122	0.0000	370.6395
Total	0.2518	1.6009	2.0112	6.8200e-003	0.5046	0.0106	0.5152	0.1355	0.0101	0.1456	0.0000	632.4447	632.4447	0.0280	0.0000	633.1437

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0883	1.8636	2.3415	3.5300e-003		0.0592	0.0592		0.0592	0.0592	0.0000	303.4087	303.4087	0.0740	0.0000	305.2592
Total	0.0883	1.8636	2.3415	3.5300e-003		0.0592	0.0592		0.0592	0.0592	0.0000	303.4087	303.4087	0.0740	0.0000	305.2592

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3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0507	1.4182	0.4297	2.7200e-003	0.0619	7.7300e-003	0.0696	0.0179	7.4000e-003	0.0253	0.0000	262.1100	262.1100	0.0158	0.0000	262.5042
Worker	0.2011	0.1827	1.5816	4.1000e-003	0.4427	2.9100e-003	0.4456	0.1176	2.6800e-003	0.1203	0.0000	370.3347	370.3347	0.0122	0.0000	370.6395
Total	0.2518	1.6009	2.0112	6.8200e-003	0.5046	0.0106	0.5152	0.1355	0.0101	0.1456	0.0000	632.4447	632.4447	0.0280	0.0000	633.1437

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	0.0114	0.1046	0.0995	1.6000e-004		5.7500e-003	5.7500e-003		5.4100e-003	5.4100e-003	0.0000	13.8982	13.8982	3.3500e-003	0.0000	13.9821
Total	0.0114	0.1046	0.0995	1.6000e-004		5.7500e-003	5.7500e-003		5.4100e-003	5.4100e-003	0.0000	13.8982	13.8982	3.3500e-003	0.0000	13.9821

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3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9000e-003	0.0594	0.0174	1.2000e-004	2.8300e-003	1.7000e-004	3.0000e-003	8.2000e-004	1.6000e-004	9.8000e-004	0.0000	11.9331	11.9331	7.0000e-004	0.0000	11.9507
Worker	8.5800e-003	7.4800e-003	0.0657	1.8000e-004	0.0203	1.3000e-004	0.0204	5.3900e-003	1.2000e-004	5.5100e-003	0.0000	16.3838	16.3838	5.0000e-004	0.0000	16.3962
Total	0.0105	0.0669	0.0831	3.0000e-004	0.0231	3.0000e-004	0.0234	6.2100e-003	2.8000e-004	6.4900e-003	0.0000	28.3169	28.3169	1.2000e-003	0.0000	28.3469

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.0400e-003	0.0854	0.1072	1.6000e-004		2.7100e-003	2.7100e-003		2.7100e-003	2.7100e-003	0.0000	13.8982	13.8982	3.3500e-003	0.0000	13.9821
Total	4.0400e-003	0.0854	0.1072	1.6000e-004		2.7100e-003	2.7100e-003		2.7100e-003	2.7100e-003	0.0000	13.8982	13.8982	3.3500e-003	0.0000	13.9821

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3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9000e-003	0.0594	0.0174	1.2000e-004	2.8300e-003	1.7000e-004	3.0000e-003	8.2000e-004	1.6000e-004	9.8000e-004	0.0000	11.9331	11.9331	7.0000e-004	0.0000	11.9507
Worker	8.5800e-003	7.4800e-003	0.0657	1.8000e-004	0.0203	1.3000e-004	0.0204	5.3900e-003	1.2000e-004	5.5100e-003	0.0000	16.3838	16.3838	5.0000e-004	0.0000	16.3962
Total	0.0105	0.0669	0.0831	3.0000e-004	0.0231	3.0000e-004	0.0234	6.2100e-003	2.8000e-004	6.4900e-003	0.0000	28.3169	28.3169	1.2000e-003	0.0000	28.3469

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6660					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0210	0.1457	0.1584	2.6000e-004		9.6000e-003	9.6000e-003		9.6000e-003	9.6000e-003	0.0000	22.0856	22.0856	1.7100e-003	0.0000	22.1284
Total	0.6869	0.1457	0.1584	2.6000e-004		9.6000e-003	9.6000e-003		9.6000e-003	9.6000e-003	0.0000	22.0856	22.0856	1.7100e-003	0.0000	22.1284

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3.6 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0265	0.0241	0.2083	5.4000e-004	0.0583	3.8000e-004	0.0587	0.0155	3.5000e-004	0.0158	0.0000	48.7675	48.7675	1.6100e-003	0.0000	48.8076
Total	0.0265	0.0241	0.2083	5.4000e-004	0.0583	3.8000e-004	0.0587	0.0155	3.5000e-004	0.0158	0.0000	48.7675	48.7675	1.6100e-003	0.0000	48.8076

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6660					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1400e-003	0.1174	0.1585	2.6000e-004		4.1100e-003	4.1100e-003		4.1100e-003	4.1100e-003	0.0000	22.0856	22.0856	1.7100e-003	0.0000	22.1284
Total	0.6711	0.1174	0.1585	2.6000e-004		4.1100e-003	4.1100e-003		4.1100e-003	4.1100e-003	0.0000	22.0856	22.0856	1.7100e-003	0.0000	22.1284

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3.6 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0265	0.0241	0.2083	5.4000e-004	0.0583	3.8000e-004	0.0587	0.0155	3.5000e-004	0.0158	0.0000	48.7675	48.7675	1.6100e-003	0.0000	48.8076
Total	0.0265	0.0241	0.2083	5.4000e-004	0.0583	3.8000e-004	0.0587	0.0155	3.5000e-004	0.0158	0.0000	48.7675	48.7675	1.6100e-003	0.0000	48.8076

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1809					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1400e-003	0.0359	0.0427	7.0000e-005		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	6.0002	6.0002	4.1000e-004	0.0000	6.0104
Total	0.1861	0.0359	0.0427	7.0000e-005		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	6.0002	6.0002	4.1000e-004	0.0000	6.0104

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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-003	5.8400e-003	0.0513	1.4000e-004	0.0158	1.0000e-004	0.0159	4.2100e-003	9.0000e-005	4.3000e-003	0.0000	12.7974	12.7974	3.9000e-004	0.0000	12.8071
Total	6.7000e-003	5.8400e-003	0.0513	1.4000e-004	0.0158	1.0000e-004	0.0159	4.2100e-003	9.0000e-005	4.3000e-003	0.0000	12.7974	12.7974	3.9000e-004	0.0000	12.8071

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1809					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4000e-003	0.0319	0.0431	7.0000e-005		1.1200e-003	1.1200e-003		1.1200e-003	1.1200e-003	0.0000	6.0001	6.0001	4.1000e-004	0.0000	6.0104
Total	0.1823	0.0319	0.0431	7.0000e-005		1.1200e-003	1.1200e-003		1.1200e-003	1.1200e-003	0.0000	6.0001	6.0001	4.1000e-004	0.0000	6.0104

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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-003	5.8400e-003	0.0513	1.4000e-004	0.0158	1.0000e-004	0.0159	4.2100e-003	9.0000e-005	4.3000e-003	0.0000	12.7974	12.7974	3.9000e-004	0.0000	12.8071
Total	6.7000e-003	5.8400e-003	0.0513	1.4000e-004	0.0158	1.0000e-004	0.0159	4.2100e-003	9.0000e-005	4.3000e-003	0.0000	12.7974	12.7974	3.9000e-004	0.0000	12.8071

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0220	0.2261	0.2564	4.0000e-004		0.0119	0.0119		0.0109	0.0109	0.0000	35.0411	35.0411	0.0113	0.0000	35.3244
Paving	5.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0277	0.2261	0.2564	4.0000e-004		0.0119	0.0119		0.0109	0.0109	0.0000	35.0411	35.0411	0.0113	0.0000	35.3244

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

3.7 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.0700e-003	9.3000e-004	8.1800e-003	2.0000e-005	2.5300e-003	2.0000e-005	2.5400e-003	6.7000e-004	1.0000e-005	6.9000e-004	0.0000	2.0421	2.0421	6.0000e-005	0.0000	2.0437
Total	1.0700e-003	9.3000e-004	8.1800e-003	2.0000e-005	2.5300e-003	2.0000e-005	2.5400e-003	6.7000e-004	1.0000e-005	6.9000e-004	0.0000	2.0421	2.0421	6.0000e-005	0.0000	2.0437

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	9.8200e-003	0.1977	0.3027	4.0000e-004		5.3300e-003	5.3300e-003		5.3300e-003	5.3300e-003	0.0000	35.0411	35.0411	0.0113	0.0000	35.3244
Paving	5.7600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0156	0.1977	0.3027	4.0000e-004		5.3300e-003	5.3300e-003		5.3300e-003	5.3300e-003	0.0000	35.0411	35.0411	0.0113	0.0000	35.3244

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

3.7 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.0700e-003	9.3000e-004	8.1800e-003	2.0000e-005	2.5300e-003	2.0000e-005	2.5400e-003	6.7000e-004	1.0000e-005	6.9000e-004	0.0000	2.0421	2.0421	6.0000e-005	0.0000	2.0437
Total	1.0700e-003	9.3000e-004	8.1800e-003	2.0000e-005	2.5300e-003	2.0000e-005	2.5400e-003	6.7000e-004	1.0000e-005	6.9000e-004	0.0000	2.0421	2.0421	6.0000e-005	0.0000	2.0437

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, 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	0.4526	1.9214	5.0764	0.0147	1.3472	0.0152	1.3623	0.3607	0.0142	0.3749	0.0000	1,346.4177	1,346.4177	0.0537	0.0000	1,347.7604
Unmitigated	0.4526	1.9214	5.0764	0.0147	1.3472	0.0152	1.3623	0.3607	0.0142	0.3749	0.0000	1,346.4177	1,346.4177	0.0537	0.0000	1,347.7604

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,002.73	1,042.13	908.17	2,528,468	2,528,468
City Park	0.00	0.00	0.00		
General Office Building	300.00	67.00	28.50	518,513	518,513
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	221.75	259.50	131.00	309,253	309,253
Single Family Housing	91.62	95.22	82.98	231,028	231,028
Total	1,616.10	1,463.85	1,150.65	3,587,261	3,587,261

4.3 Trip Type Information

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

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 Mid Rise	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
City Park	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Apartments Mid Rise	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Single Family Housing	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Regional Shopping Center	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install Energy Efficient Appliances

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, 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					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	533.9802	533.9802	0.0242	5.0000e-003	536.0725
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	559.3420	559.3420	0.0253	5.2300e-003	561.5337
NaturalGas Mitigated	0.0150	0.1290	0.0625	8.2000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	148.0722	148.0722	2.8400e-003	2.7100e-003	148.9521
NaturalGas Unmitigated	0.0178	0.1534	0.0748	9.7000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	176.0207	176.0207	3.3700e-003	3.2300e-003	177.0667

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, 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 Mid Rise	2.18061e+006	0.0118	0.1005	0.0428	6.4000e-004		8.1200e-003	8.1200e-003		8.1200e-003	8.1200e-003	0.0000	116.3655	116.3655	2.2300e-003	2.1300e-003	117.0570
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	411250	2.2200e-003	0.0202	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.9459	21.9459	4.2000e-004	4.0000e-004	22.0763
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
Regional Shopping Center	59500	3.2000e-004	2.9200e-003	2.4500e-003	2.0000e-005		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.0000	3.1752	3.1752	6.0000e-005	6.0000e-005	3.1940
Single Family Housing	647146	3.4900e-003	0.0298	0.0127	1.9000e-004		2.4100e-003	2.4100e-003		2.4100e-003	2.4100e-003	0.0000	34.5342	34.5342	6.6000e-004	6.3000e-004	34.7394
Total		0.0178	0.1534	0.0748	9.7000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	176.0207	176.0207	3.3700e-003	3.2200e-003	177.0667

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.86879e+006	0.0101	0.0861	0.0366	5.5000e-004		6.9600e-003	6.9600e-003		6.9600e-003	6.9600e-003	0.0000	99.7259	99.7259	1.9100e-003	1.8300e-003	100.3185
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	329300	1.7800e-003	0.0161	0.0136	1.0000e-004		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	17.5727	17.5727	3.4000e-004	3.2000e-004	17.6771
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
Regional Shopping Center	47600	2.6000e-004	2.3300e-003	1.9600e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	2.5401	2.5401	5.0000e-005	5.0000e-005	2.5552
Single Family Housing	529075	2.8500e-003	0.0244	0.0104	1.6000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003	0.0000	28.2335	28.2335	5.4000e-004	5.2000e-004	28.4012
Total		0.0150	0.1290	0.0625	8.2000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	148.0722	148.0722	2.8400e-003	2.7200e-003	148.9521

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	868961	252.7908	0.0114	2.3600e-003	253.7813
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	455500	132.5102	5.9900e-003	1.2400e-003	133.0294
Parking Lot	26833	7.8060	3.5000e-004	7.0000e-005	7.8366
Parking Lot	68999	20.0726	9.1000e-004	1.9000e-004	20.1513
Parking Lot	72832.3	21.1878	9.6000e-004	2.0000e-004	21.2708
Regional Shopping Center	273750	79.6370	3.6000e-003	7.5000e-004	79.9491
Single Family Housing	155847	45.3377	2.0500e-003	4.2000e-004	45.5153
Total		559.3420	0.0253	5.2300e-003	561.5337

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	832585	242.2084	0.0110	2.2700e-003	243.1575
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	423500	123.2010	5.5700e-003	1.1500e-003	123.6837
Parking Lot	26833	7.8060	3.5000e-004	7.0000e-005	7.8366
Parking Lot	68999	20.0726	9.1000e-004	1.9000e-004	20.1513
Parking Lot	72832.3	21.1878	9.6000e-004	2.0000e-004	21.2708
Regional Shopping Center	259300	75.4333	3.4100e-003	7.1000e-004	75.7289
Single Family Housing	151493	44.0710	1.9900e-003	4.1000e-004	44.2437
Total		533.9802	0.0241	5.0000e-003	536.0725

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, 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	1.6153	0.0338	2.9309	1.5000e-004		0.0162	0.0162		0.0162	0.0162	0.0000	4.7827	4.7827	4.6200e-003	0.0000	4.8982
Unmitigated	1.6153	0.0338	2.9309	1.5000e-004		0.0162	0.0162		0.0162	0.0162	0.0000	4.7827	4.7827	4.6200e-003	0.0000	4.8982

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	0.4208					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1060					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	0.0886	0.0338	2.9309	1.5000e-004		0.0162	0.0162		0.0162	0.0162	0.0000	4.7827	4.7827	4.6200e-003	0.0000	4.8982
Total	1.6153	0.0338	2.9309	1.5000e-004		0.0162	0.0162		0.0162	0.0162	0.0000	4.7827	4.7827	4.6200e-003	0.0000	4.8982

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, 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	0.4208					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1060					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	0.0886	0.0338	2.9309	1.5000e-004		0.0162	0.0162		0.0162	0.0162	0.0000	4.7827	4.7827	4.6200e-003	0.0000	4.8982
Total	1.6153	0.0338	2.9309	1.5000e-004		0.0162	0.0162		0.0162	0.0162	0.0000	4.7827	4.7827	4.6200e-003	0.0000	4.8982

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	55.7235	0.6638	0.0161	77.1113
Unmitigated	58.3578	0.6639	0.0161	79.7559

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	12.8353 / 8.09185	32.5155	0.4195	0.0101	46.0259
City Park	0 / 6.91059	7.0363	3.2000e-004	7.0000e-005	7.0639
General Office Building	4.44334 / 2.72334	11.1769	0.1452	3.5100e-003	15.8536
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.85181 / 1.13498	4.6581	0.0605	1.4600e-003	6.6072
Single Family Housing	1.17277 / 0.739357	2.9710	0.0383	9.3000e-004	4.2054
Total		58.3578	0.6639	0.0161	79.7559

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	12.8353 / 7.02372	31.4279	0.4195	0.0101	44.9340
City Park	0 / 5.99839	6.1075	2.8000e-004	6.0000e-005	6.1314
General Office Building	4.44334 / 2.36386	10.8109	0.1452	3.5100e-003	15.4862
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.85181 / 0.985165	4.5056	0.0605	1.4600e-003	6.4540
Single Family Housing	1.17277 / 0.641761	2.8716	0.0383	9.3000e-004	4.1057
Total		55.7235	0.6638	0.0161	77.1113

8.0 Waste Detail

8.1 Mitigation Measures Waste

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	32.7891	1.9378	0.0000	81.2337
Unmitigated	32.7891	1.9378	0.0000	81.2337

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	90.62	18.3950	1.0871	0.0000	45.5729
City Park	0.5	0.1015	6.0000e-003	0.0000	0.2515
General Office Building	23.25	4.7195	0.2789	0.0000	11.6925
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	26.25	5.3285	0.3149	0.0000	13.2012
Single Family Housing	20.91	4.2445	0.2509	0.0000	10.5157
Total		32.7891	1.9378	0.0000	81.2337

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	90.62	18.3950	1.0871	0.0000	45.5729
City Park	0.5	0.1015	6.0000e-003	0.0000	0.2515
General Office Building	23.25	4.7195	0.2789	0.0000	11.6925
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	26.25	5.3285	0.3149	0.0000	13.2012
Single Family Housing	20.91	4.2445	0.2509	0.0000	10.5157
Total		32.7891	1.9378	0.0000	81.2337

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Annual

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

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

11.0 Vegetation

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

Mitigated - San Luis Ranch Project - 2019 Start
San Luis Obispo County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	0.63	25,000.00	0
Parking Lot	1.90	Acre	1.90	82,764.00	0
Parking Lot	1.80	Acre	1.80	78,408.00	0
Parking Lot	0.70	Acre	0.70	30,492.00	0
City Park	5.80	Acre	5.80	252,648.00	0
Apartments Mid Rise	197.00	Dwelling Unit	7.20	197,000.00	563
Single Family Housing	18.00	Dwelling Unit	9.10	32,400.00	51
Regional Shopping Center	25.00	1000sqft	0.57	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 1, 2, 3, 5, and 6; and Dalidio improvements.

Construction Phase - No demolition in phases 1, 2, 4, 5 and 6. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition - Building sf estimated using Google Earth

Grading - Total import proportionally distributed by phase acreage.

Architectural Coating - Per MM AQ-2

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Woodstoves - PEr MM AQ-3

Construction Off-road Equipment Mitigation - per MM AQ-2

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Area Mitigation - Per MM AQ-3

Energy Mitigation - Per Specific Plan, appliances will be energy efficient. Exceed Title 24 per MM AQ-3

Water Mitigation - Total outdoor water use for these land uses = 20.7 Mgal, with park at 6.9 Mgal; Park using reclaimed = 33% of total.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	35.00	220.00
tblGrading	MaterialImported	0.00	84,320.00
tblLandUse	LotAcreage	0.57	0.63
tblLandUse	LotAcreage	5.18	7.20
tblLandUse	LotAcreage	5.84	9.10
tblProjectCharacteristics	OperationalYear	2018	2022
tblVehicleTrips	ST_TR	6.39	5.29
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.46	2.68
tblVehicleTrips	ST_TR	49.97	10.38
tblVehicleTrips	ST_TR	9.91	5.29
tblVehicleTrips	SU_TR	5.86	4.61
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.05	1.14
tblVehicleTrips	SU_TR	25.24	5.24

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

tblVehicleTrips	SU_TR	8.62	4.61
tblVehicleTrips	WD_TR	6.65	5.09
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	12.00
tblVehicleTrips	WD_TR	42.70	8.87
tblVehicleTrips	WD_TR	9.52	5.09
tblWoodstoves	WoodstoveDayYear	60.00	0.00
tblWoodstoves	WoodstoveDayYear	60.00	0.00
tblWoodstoves	WoodstoveWoodMass	2,016.00	0.00
tblWoodstoves	WoodstoveWoodMass	2,016.00	0.00

2.0 Emissions Summary

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	7.2160	135.2333	51.5134	0.2512	18.2442	2.8691	20.6358	9.9779	2.6574	12.1781	0.0000	26,484.94 26	26,484.94 26	3.0704	0.0000	26,561.70 25
2020	12.2390	33.1051	36.6998	0.0899	4.6448	1.3129	5.9577	1.2429	1.2416	2.4845	0.0000	8,958.013 8	8,958.013 8	0.8999	0.0000	8,980.511 1
2021	11.8043	30.1326	34.6760	0.0885	4.6449	1.1061	5.7510	1.2429	1.0455	2.2885	0.0000	8,812.812 2	8,812.812 2	0.8733	0.0000	8,834.644 5
Maximum	12.2390	135.2333	51.5134	0.2512	18.2442	2.8691	20.6358	9.9779	2.6574	12.1781	0.0000	26,484.94 26	26,484.94 26	3.0704	0.0000	26,561.70 25

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					
2019	4.0002	110.6914	54.8593	0.2512	18.2442	1.1362	18.7185	9.9779	1.1151	10.4520	0.0000	26,484.94 26	26,484.94 26	3.0704	0.0000	26,561.70 25
2020	10.6103	27.8183	37.7261	0.0899	4.6448	0.5842	5.2290	1.2429	0.5796	1.8225	0.0000	8,958.013 8	8,958.013 8	0.8999	0.0000	8,980.511 0
2021	10.4178	26.7567	35.9895	0.0885	4.6449	0.5527	5.1976	1.2429	0.5495	1.7924	0.0000	8,812.812 2	8,812.812 2	0.8733	0.0000	8,834.644 5
Maximum	10.6103	110.6914	54.8593	0.2512	18.2442	1.1362	18.7185	9.9779	1.1151	10.4520	0.0000	26,484.94 26	26,484.94 26	3.0704	0.0000	26,561.70 25

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	19.93	16.73	-4.63	0.00	0.00	57.02	9.89	0.00	54.61	17.01	0.00	0.00	0.00	0.00	0.00	0.00

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.9027	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981	0.0000	31.9519	31.9519	0.0309	0.0000	32.7231
Energy	0.0975	0.8404	0.4100	5.3200e-003		0.0673	0.0673		0.0673	0.0673		1,063.1759	1,063.1759	0.0204	0.0195	1,069.4938
Mobile	2.9091	11.2388	30.6504	0.0920	8.3620	0.0916	8.4536	2.2338	0.0859	2.3198		9,277.8426	9,277.8426	0.3582		9,286.7964
Total	11.9092	12.2841	48.8235	0.0982	8.3620	0.2570	8.6190	2.2338	0.2514	2.4852	0.0000	10,372.9704	10,372.9704	0.4094	0.0195	10,389.0133

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	8.9027	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981	0.0000	31.9519	31.9519	0.0309	0.0000	32.7231
Energy	0.0820	0.7067	0.3427	4.4700e-003		0.0566	0.0566		0.0566	0.0566		894.3651	894.3651	0.0171	0.0164	899.6798
Mobile	2.9091	11.2388	30.6504	0.0920	8.3620	0.0916	8.4536	2.2338	0.0859	2.3198		9,277.8426	9,277.8426	0.3582		9,286.7964
Total	11.8937	12.1503	48.7561	0.0974	8.3620	0.2464	8.6084	2.2338	0.2407	2.4745	0.0000	10,204.1596	10,204.1596	0.4061	0.0164	10,219.1993

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.13	1.09	0.14	0.87	0.00	4.16	0.12	0.00	4.25	0.43	0.00	1.63	1.63	0.79	15.85	1.63

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2019	2/11/2019	5	30	
2	Site Preparation	Site Preparation	2/12/2019	3/11/2019	5	20	
3	Grading	Grading	3/12/2019	5/13/2019	5	45	
4	Building Construction	Building Construction	5/14/2019	1/18/2021	5	440	
5	Architectural Coating	Architectural Coating	5/5/2020	3/8/2021	5	220	
6	Paving	Paving	1/19/2021	3/8/2021	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 4.4

Residential Indoor: 464,535; Residential Outdoor: 154,845; Non-Residential Indoor: 75,000; Non-Residential Outdoor: 25,000; Striped Parking Area: 11,500 (Architectural Coating – sqft)

OffRoad Equipment

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	80.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	10,540.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	351.00	104.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	70.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Clean Paved Roads

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5952	0.0000	0.5952	0.0901	0.0000	0.0901			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.899 4	3,816.899 4	1.0618		3,843.445 1
Total	3.5134	35.7830	22.0600	0.0388	0.5952	1.7949	2.3901	0.0901	1.6697	1.7598		3,816.899 4	3,816.899 4	1.0618		3,843.445 1

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0271	0.9180	0.1973	2.1300e-003	0.0465	5.5200e-003	0.0520	0.0127	5.2800e-003	0.0180		229.4602	229.4602	0.0128		229.7792
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0705	0.0608	0.6028	1.4400e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		143.0023	143.0023	5.2500e-003		143.1336
Total	0.0976	0.9788	0.8001	3.5700e-003	0.1948	6.5000e-003	0.2013	0.0521	6.1900e-003	0.0583		372.4624	372.4624	0.0180		372.9128

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5952	0.0000	0.5952	0.0901	0.0000	0.0901			0.0000			0.0000
Off-Road	0.9246	18.3130	24.6739	0.0388		0.4314	0.4314		0.4314	0.4314	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	0.9246	18.3130	24.6739	0.0388	0.5952	0.4314	1.0265	0.0901	0.4314	0.5215	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0271	0.9180	0.1973	2.1300e-003	0.0465	5.5200e-003	0.0520	0.0127	5.2800e-003	0.0180		229.4602	229.4602	0.0128		229.7792
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0705	0.0608	0.6028	1.4400e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		143.0023	143.0023	5.2500e-003		143.1336
Total	0.0976	0.9788	0.8001	3.5700e-003	0.1948	6.5000e-003	0.2013	0.0521	6.1900e-003	0.0583		372.4624	372.4624	0.0180		372.9128

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	18.0663	2.3904	20.4566	9.9307	2.1991	12.1298		3,766.4529	3,766.4529	1.1917		3,796.2445

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0846	0.0729	0.7233	1.7200e-003	0.1780	1.1800e-003	0.1791	0.0472	1.0900e-003	0.0483		171.6027	171.6027	6.3000e-003		171.7603
Total	0.0846	0.0729	0.7233	1.7200e-003	0.1780	1.1800e-003	0.1791	0.0472	1.0900e-003	0.0483		171.6027	171.6027	6.3000e-003		171.7603

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9312	19.0656	22.9600	0.0380		0.4731	0.4731		0.4731	0.4731	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	0.9312	19.0656	22.9600	0.0380	18.0663	0.4731	18.5393	9.9307	0.4731	10.4038	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.3 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0846	0.0729	0.7233	1.7200e-003	0.1780	1.1800e-003	0.1791	0.0472	1.0900e-003	0.0483		171.6027	171.6027	6.3000e-003		171.7603
Total	0.0846	0.0729	0.7233	1.7200e-003	0.1780	1.1800e-003	0.1791	0.0472	1.0900e-003	0.0483		171.6027	171.6027	6.3000e-003		171.7603

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.0182	0.0000	9.0182	3.6487	0.0000	3.6487			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
Total	4.7389	54.5202	33.3768	0.0620	9.0182	2.3827	11.4009	3.6487	2.1920	5.8408		6,140.0195	6,140.0195	1.9426		6,188.5854

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.4 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.3832	80.6321	17.3329	0.1873	4.0853	0.4852	4.5705	1.1190	0.4642	1.5832		20,154.2534	20,154.2534	1.1208		20,182.2724
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0940	0.0810	0.8037	1.9200e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2100e-003	0.0537		190.6697	190.6697	7.0000e-003		190.8448
Total	2.4771	80.7132	18.1367	0.1892	4.2831	0.4865	4.7696	1.1714	0.4654	1.6368		20,344.9231	20,344.9231	1.1278		20,373.1171

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.0182	0.0000	9.0182	3.6487	0.0000	3.6487			0.0000			0.0000
Off-Road	1.5231	29.9782	36.7226	0.0620		0.6497	0.6497		0.6497	0.6497	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854
Total	1.5231	29.9782	36.7226	0.0620	9.0182	0.6497	9.6679	3.6487	0.6497	4.2984	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.4 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.3832	80.6321	17.3329	0.1873	4.0853	0.4852	4.5705	1.1190	0.4642	1.5832		20,154.2534	20,154.2534	1.1208		20,182.2724
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0940	0.0810	0.8037	1.9200e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2100e-003	0.0537		190.6697	190.6697	7.0000e-003		190.8448
Total	2.4771	80.7132	18.1367	0.1892	4.2831	0.4865	4.7696	1.1714	0.4654	1.6368		20,344.9231	20,344.9231	1.1278		20,373.1171

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4759	11.7437	3.4953	0.0210	0.4827	0.0938	0.5765	0.1390	0.0898	0.2288		2,236.0591	2,236.0591	0.1373		2,239.4926
Worker	1.6488	1.4218	14.1052	0.0336	3.4700	0.0229	3.4930	0.9203	0.0212	0.9415		3,346.2526	3,346.2526	0.1229		3,349.3257
Total	2.1247	13.1655	17.6005	0.0547	3.9527	0.1168	4.0695	1.0593	0.1109	1.1703		5,582.3116	5,582.3116	0.2603		5,588.8184

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.4759	11.7437	3.4953	0.0210	0.4827	0.0938	0.5765	0.1390	0.0898	0.2288		2,236.0591	2,236.0591	0.1373			2,239.4926
Worker	1.6488	1.4218	14.1052	0.0336	3.4700	0.0229	3.4930	0.9203	0.0212	0.9415		3,346.2526	3,346.2526	0.1229			3,349.3257
Total	2.1247	13.1655	17.6005	0.0547	3.9527	0.1168	4.0695	1.0593	0.1109	1.1703		5,582.3116	5,582.3116	0.2603			5,588.8184

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229			2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229			2,568.6345

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3771	10.7332	3.0758	0.0210	0.4828	0.0583	0.5410	0.1390	0.0557	0.1948		2,233.937 2	2,233.937 2	0.1285		2,237.148 6
Worker	1.5013	1.2523	12.4593	0.0326	3.4700	0.0222	3.4922	0.9203	0.0205	0.9408		3,242.844 4	3,242.844 4	0.1057		3,245.487 0
Total	1.8784	11.9855	15.5351	0.0536	3.9528	0.0805	4.0333	1.0594	0.0762	1.1356		5,476.781 6	5,476.781 6	0.2342		5,482.635 6

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5
Total	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3771	10.7332	3.0758	0.0210	0.4828	0.0583	0.5410	0.1390	0.0557	0.1948		2,233.937 2	2,233.937 2	0.1285		2,237.148 6
Worker	1.5013	1.2523	12.4593	0.0326	3.4700	0.0222	3.4922	0.9203	0.0205	0.9408		3,242.844 4	3,242.844 4	0.1057		3,245.487 0
Total	1.8784	11.9855	15.5351	0.0536	3.9528	0.0805	4.0333	1.0594	0.0762	1.1356		5,476.781 6	5,476.781 6	0.2342		5,482.635 6

3.5 Building Construction - 2021

Unmitigated Construction On-Site

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

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3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3082	9.8302	2.7125	0.0209	0.4829	0.0276	0.5104	0.1391	0.0264	0.1655		2,220.9868	2,220.9868	0.1251		2,224.1153
Worker	1.3982	1.1200	11.3144	0.0315	3.4700	0.0215	3.4915	0.9203	0.0198	0.9401		3,132.3319	3,132.3319	0.0941		3,134.6835
Total	1.7065	10.9503	14.0268	0.0523	3.9529	0.0491	4.0020	1.0594	0.0462	1.1056		5,353.3187	5,353.3187	0.2192		5,358.7988

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, 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	0.3082	9.8302	2.7125	0.0209	0.4829	0.0276	0.5104	0.1391	0.0264	0.1655		2,220.9868	2,220.9868	0.1251			2,224.1153
Worker	1.3982	1.1200	11.3144	0.0315	3.4700	0.0215	3.4915	0.9203	0.0198	0.9401		3,132.3319	3,132.3319	0.0941			3,134.6835
Total	1.7065	10.9503	14.0268	0.0523	3.9529	0.0491	4.0020	1.0594	0.0462	1.1056		5,353.3187	5,353.3187	0.2192			5,358.7988

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	7.6992					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218			281.9928
Total	7.9413	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218			281.9928

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.6 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2994	0.2498	2.4848	6.5000e-003	0.6920	4.4300e-003	0.6965	0.1835	4.0800e-003	0.1876		646.7211	646.7211	0.0211		647.2481
Total	0.2994	0.2498	2.4848	6.5000e-003	0.6920	4.4300e-003	0.6965	0.1835	4.0800e-003	0.1876		646.7211	646.7211	0.0211		647.2481

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.6992					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0218		281.9928
Total	7.7586	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0218		281.9928

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.6 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2994	0.2498	2.4848	6.5000e-003	0.6920	4.4300e-003	0.6965	0.1835	4.0800e-003	0.1876		646.7211	646.7211	0.0211		647.2481
Total	0.2994	0.2498	2.4848	6.5000e-003	0.6920	4.4300e-003	0.6965	0.1835	4.0800e-003	0.1876		646.7211	646.7211	0.0211		647.2481

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.6992					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	7.9181	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2789	0.2234	2.2564	6.2700e-003	0.6920	4.2900e-003	0.6963	0.1835	3.9500e-003	0.1875		624.6816	624.6816	0.0188		625.1506
Total	0.2789	0.2234	2.2564	6.2700e-003	0.6920	4.2900e-003	0.6963	0.1835	3.9500e-003	0.1875		624.6816	624.6816	0.0188		625.1506

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.6992					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0193		281.9309
Total	7.7586	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0193		281.9309

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2789	0.2234	2.2564	6.2700e-003	0.6920	4.2900e-003	0.6963	0.1835	3.9500e-003	0.1875		624.6816	624.6816	0.0188		625.1506
Total	0.2789	0.2234	2.2564	6.2700e-003	0.6920	4.2900e-003	0.6963	0.1835	3.9500e-003	0.1875		624.6816	624.6816	0.0188		625.1506

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3294					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5849	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.7 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0598	0.0479	0.4835	1.3400e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		133.8603	133.8603	4.0200e-003		133.9608
Total	0.0598	0.0479	0.4835	1.3400e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		133.8603	133.8603	4.0200e-003		133.9608

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.3047	0.3047		0.3047	0.3047	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3294					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8903	11.2952	17.2957	0.0228		0.3047	0.3047		0.3047	0.3047	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

3.7 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0598	0.0479	0.4835	1.3400e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		133.8603	133.8603	4.0200e-003		133.9608
Total	0.0598	0.0479	0.4835	1.3400e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		133.8603	133.8603	4.0200e-003		133.9608

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.9091	11.2388	30.6504	0.0920	8.3620	0.0916	8.4536	2.2338	0.0859	2.3198		9,277.8426	9,277.8426	0.3582		9,286.7964
Unmitigated	2.9091	11.2388	30.6504	0.0920	8.3620	0.0916	8.4536	2.2338	0.0859	2.3198		9,277.8426	9,277.8426	0.3582		9,286.7964

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,002.73	1,042.13	908.17	2,528,468	2,528,468
City Park	0.00	0.00	0.00		
General Office Building	300.00	67.00	28.50	518,513	518,513
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	221.75	259.50	131.00	309,253	309,253
Single Family Housing	91.62	95.22	82.98	231,028	231,028
Total	1,616.10	1,463.85	1,150.65	3,587,261	3,587,261

4.3 Trip Type Information

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
City Park	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Apartments Mid Rise	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Single Family Housing	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Regional Shopping Center	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install Energy Efficient Appliances

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0820	0.7067	0.3427	4.4700e-003		0.0566	0.0566		0.0566	0.0566		894.3651	894.3651	0.0171	0.0164	899.6798
NaturalGas Unmitigated	0.0975	0.8404	0.4100	5.3200e-003		0.0673	0.0673		0.0673	0.0673		1,063.1759	1,063.1759	0.0204	0.0195	1,069.4938

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	5974.27	0.0644	0.5506	0.2343	3.5100e-003		0.0445	0.0445		0.0445	0.0445		702.8547	702.8547	0.0135	0.0129	707.0314
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1126.71	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
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
Regional Shopping Center	163.014	1.7600e-003	0.0160	0.0134	1.0000e-004		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		19.1781	19.1781	3.7000e-004	3.5000e-004	19.2921
Single Family Housing	1773	0.0191	0.1634	0.0695	1.0400e-003		0.0132	0.0132		0.0132	0.0132		208.5887	208.5887	4.0000e-003	3.8200e-003	209.8282
Total		0.0975	0.8404	0.4100	5.3100e-003		0.0673	0.0673		0.0673	0.0673		1,063.1759	1,063.1759	0.0204	0.0195	1,069.4938

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	5.11998	0.0552	0.4718	0.2008	3.0100e-003		0.0382	0.0382		0.0382	0.0382		602.3505	602.3505	0.0116	0.0110	605.9300
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.902192	9.7300e-003	0.0885	0.0743	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.1402	106.1402	2.0300e-003	1.9500e-003	106.7710
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
Regional Shopping Center	0.130411	1.4100e-003	0.0128	0.0107	8.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004		15.3425	15.3425	2.9000e-004	2.8000e-004	15.4336
Single Family Housing	1.44952	0.0156	0.1336	0.0568	8.5000e-004		0.0108	0.0108		0.0108	0.0108		170.5319	170.5319	3.2700e-003	3.1300e-003	171.5453
Total		0.0820	0.7067	0.3427	4.4700e-003		0.0566	0.0566		0.0566	0.0566		894.3651	894.3651	0.0171	0.0164	899.6798

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.9027	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981	0.0000	31.9519	31.9519	0.0309	0.0000	32.7231
Unmitigated	8.9027	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981	0.0000	31.9519	31.9519	0.0309	0.0000	32.7231

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	2.3057					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0601					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	0.5369	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981		31.9519	31.9519	0.0309		32.7231
Total	8.9027	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981	0.0000	31.9519	31.9519	0.0309	0.0000	32.7231

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.3057					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0601					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	0.5369	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981		31.9519	31.9519	0.0309		32.7231
Total	8.9027	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981	0.0000	31.9519	31.9519	0.0309	0.0000	32.7231

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summer

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

Mitigated - San Luis Ranch Project - 2019 Start
San Luis Obispo County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	0.63	25,000.00	0
Parking Lot	1.90	Acre	1.90	82,764.00	0
Parking Lot	1.80	Acre	1.80	78,408.00	0
Parking Lot	0.70	Acre	0.70	30,492.00	0
City Park	5.80	Acre	5.80	252,648.00	0
Apartments Mid Rise	197.00	Dwelling Unit	7.20	197,000.00	563
Single Family Housing	18.00	Dwelling Unit	9.10	32,400.00	51
Regional Shopping Center	25.00	1000sqft	0.57	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 1, 2, 3, 5, and 6; and Dalidio improvements.

Construction Phase - No demolition in phases 1, 2, 4, 5 and 6. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition - Building sf estimated using Google Earth

Grading - Total import proportionally distributed by phase acreage.

Architectural Coating - Per MM AQ-2

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Woodstoves - PEr MM AQ-3

Construction Off-road Equipment Mitigation - per MM AQ-2

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Area Mitigation - Per MM AQ-3

Energy Mitigation - Per Specific Plan, appliances will be energy efficient. Exceed Title 24 per MM AQ-3

Water Mitigation - Total outdoor water use for these land uses = 20.7 Mgal, with park at 6.9 Mgal; Park using reclaimed = 33% of total.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	35.00	220.00
tblGrading	MaterialImported	0.00	84,320.00
tblLandUse	LotAcreage	0.57	0.63
tblLandUse	LotAcreage	5.18	7.20
tblLandUse	LotAcreage	5.84	9.10
tblProjectCharacteristics	OperationalYear	2018	2022
tblVehicleTrips	ST_TR	6.39	5.29
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.46	2.68
tblVehicleTrips	ST_TR	49.97	10.38
tblVehicleTrips	ST_TR	9.91	5.29
tblVehicleTrips	SU_TR	5.86	4.61
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.05	1.14
tblVehicleTrips	SU_TR	25.24	5.24

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

tblVehicleTrips	SU_TR	8.62	4.61
tblVehicleTrips	WD_TR	6.65	5.09
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	12.00
tblVehicleTrips	WD_TR	42.70	8.87
tblVehicleTrips	WD_TR	9.52	5.09
tblWoodstoves	WoodstoveDayYear	60.00	0.00
tblWoodstoves	WoodstoveDayYear	60.00	0.00
tblWoodstoves	WoodstoveWoodMass	2,016.00	0.00
tblWoodstoves	WoodstoveWoodMass	2,016.00	0.00

2.0 Emissions Summary

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	7.2923	135.8726	52.6197	0.2485	18.2442	2.8795	20.6358	9.9779	2.6674	12.1781	0.0000	26,192.19 57	26,192.19 57	3.1081	0.0000	26,269.89 72
2020	12.5126	33.2546	36.6823	0.0875	4.6448	1.3147	5.9595	1.2429	1.2433	2.4862	0.0000	8,708.382 1	8,708.382 1	0.9046	0.0000	8,730.996 9
2021	12.0627	30.2492	34.6315	0.0861	4.6449	1.1077	5.7526	1.2429	1.0471	2.2900	0.0000	8,568.733 4	8,568.733 4	0.8782	0.0000	8,590.687 8
Maximum	12.5126	135.8726	52.6197	0.2485	18.2442	2.8795	20.6358	9.9779	2.6674	12.1781	0.0000	26,192.19 57	26,192.19 57	3.1081	0.0000	26,269.89 72

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					
2019	4.0765	111.3307	55.9656	0.2485	18.2442	1.1466	18.7185	9.9779	1.1250	10.4520	0.0000	26,192.19 57	26,192.19 57	3.1081	0.0000	26,269.89 72
2020	10.8839	27.9678	37.7086	0.0875	4.6448	0.5860	5.2308	1.2429	0.5814	1.8243	0.0000	8,708.382 1	8,708.382 1	0.9046	0.0000	8,730.996 9
2021	10.6762	26.8733	35.9449	0.0861	4.6449	0.5543	5.1992	1.2429	0.5510	1.7939	0.0000	8,568.733 4	8,568.733 4	0.8782	0.0000	8,590.687 8
Maximum	10.8839	111.3307	55.9656	0.2485	18.2442	1.1466	18.7185	9.9779	1.1250	10.4520	0.0000	26,192.19 57	26,192.19 57	3.1081	0.0000	26,269.89 72

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	19.55	16.65	-4.59	0.00	0.00	56.87	9.89	0.00	54.47	17.01	0.00	0.00	0.00	0.00	0.00	0.00

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.9027	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981	0.0000	31.9519	31.9519	0.0309	0.0000	32.7231
Energy	0.0975	0.8404	0.4100	5.3200e-003		0.0673	0.0673		0.0673	0.0673		1,063.1759	1,063.1759	0.0204	0.0195	1,069.4938
Mobile	2.8125	11.6344	31.3934	0.0883	8.3620	0.0925	8.4545	2.2338	0.0868	2.3207		8,911.1736	8,911.1736	0.3636		8,920.2625
Total	11.8126	12.6797	49.5664	0.0946	8.3620	0.2580	8.6200	2.2338	0.2523	2.4861	0.0000	10,006.3014	10,006.3014	0.4148	0.0195	10,022.4795

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	8.9027	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981	0.0000	31.9519	31.9519	0.0309	0.0000	32.7231
Energy	0.0820	0.7067	0.3427	4.4700e-003		0.0566	0.0566		0.0566	0.0566		894.3651	894.3651	0.0171	0.0164	899.6798
Mobile	2.8125	11.6344	31.3934	0.0883	8.3620	0.0925	8.4545	2.2338	0.0868	2.3207		8,911.1736	8,911.1736	0.3636		8,920.2625
Total	11.7971	12.5459	49.4991	0.0937	8.3620	0.2473	8.6093	2.2338	0.2416	2.4754	0.0000	9,837.4906	9,837.4906	0.4116	0.0164	9,852.6655

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.13	1.05	0.14	0.90	0.00	4.14	0.12	0.00	4.24	0.43	0.00	1.69	1.69	0.78	15.85	1.69

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2019	2/11/2019	5	30	
2	Site Preparation	Site Preparation	2/12/2019	3/11/2019	5	20	
3	Grading	Grading	3/12/2019	5/13/2019	5	45	
4	Building Construction	Building Construction	5/14/2019	1/18/2021	5	440	
5	Architectural Coating	Architectural Coating	5/5/2020	3/8/2021	5	220	
6	Paving	Paving	1/19/2021	3/8/2021	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 4.4

Residential Indoor: 464,535; Residential Outdoor: 154,845; Non-Residential Indoor: 75,000; Non-Residential Outdoor: 25,000; Striped Parking Area: 11,500 (Architectural Coating – sqft)

OffRoad Equipment

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	80.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	10,540.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	351.00	104.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	70.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Clean Paved Roads

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5952	0.0000	0.5952	0.0901	0.0000	0.0901			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.899 4	3,816.899 4	1.0618		3,843.445 1
Total	3.5134	35.7830	22.0600	0.0388	0.5952	1.7949	2.3901	0.0901	1.6697	1.7598		3,816.899 4	3,816.899 4	1.0618		3,843.445 1

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0279	0.9252	0.2101	2.1000e-003	0.0465	5.6400e-003	0.0522	0.0127	5.4000e-003	0.0181		226.2288	226.2288	0.0132		226.5585
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0802	0.0690	0.5896	1.3700e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		136.3132	136.3132	5.1200e-003		136.4411
Total	0.1080	0.9942	0.7997	3.4700e-003	0.1948	6.6200e-003	0.2014	0.0521	6.3100e-003	0.0584		362.5420	362.5420	0.0183		362.9997

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5952	0.0000	0.5952	0.0901	0.0000	0.0901			0.0000			0.0000
Off-Road	0.9246	18.3130	24.6739	0.0388		0.4314	0.4314		0.4314	0.4314	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	0.9246	18.3130	24.6739	0.0388	0.5952	0.4314	1.0265	0.0901	0.4314	0.5215	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0279	0.9252	0.2101	2.1000e-003	0.0465	5.6400e-003	0.0522	0.0127	5.4000e-003	0.0181		226.2288	226.2288	0.0132		226.5585
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0802	0.0690	0.5896	1.3700e-003	0.1483	9.8000e-004	0.1493	0.0393	9.1000e-004	0.0402		136.3132	136.3132	5.1200e-003		136.4411
Total	0.1080	0.9942	0.7997	3.4700e-003	0.1948	6.6200e-003	0.2014	0.0521	6.3100e-003	0.0584		362.5420	362.5420	0.0183		362.9997

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	18.0663	2.3904	20.4566	9.9307	2.1991	12.1298		3,766.4529	3,766.4529	1.1917		3,796.2445

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3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0962	0.0828	0.7075	1.6400e-003	0.1780	1.1800e-003	0.1791	0.0472	1.0900e-003	0.0483		163.5759	163.5759	6.1400e-003		163.7294
Total	0.0962	0.0828	0.7075	1.6400e-003	0.1780	1.1800e-003	0.1791	0.0472	1.0900e-003	0.0483		163.5759	163.5759	6.1400e-003		163.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9312	19.0656	22.9600	0.0380		0.4731	0.4731		0.4731	0.4731	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	0.9312	19.0656	22.9600	0.0380	18.0663	0.4731	18.5393	9.9307	0.4731	10.4038	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.3 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0962	0.0828	0.7075	1.6400e-003	0.1780	1.1800e-003	0.1791	0.0472	1.0900e-003	0.0483		163.5759	163.5759	6.1400e-003		163.7294
Total	0.0962	0.0828	0.7075	1.6400e-003	0.1780	1.1800e-003	0.1791	0.0472	1.0900e-003	0.0483		163.5759	163.5759	6.1400e-003		163.7294

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.0182	0.0000	9.0182	3.6487	0.0000	3.6487			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
Total	4.7389	54.5202	33.3768	0.0620	9.0182	2.3827	11.4009	3.6487	2.1920	5.8408		6,140.0195	6,140.0195	1.9426		6,188.5854

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.4 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.4465	81.2605	18.4568	0.1847	4.0853	0.4956	4.5809	1.1190	0.4741	1.5931		19,870.4253	19,870.4253	1.1586		19,899.3903
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1069	0.0920	0.7861	1.8300e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2100e-003	0.0537		181.7510	181.7510	6.8200e-003		181.9215
Total	2.5534	81.3525	19.2430	0.1865	4.2831	0.4969	4.7799	1.1714	0.4753	1.6468		20,052.1762	20,052.1762	1.1654		20,081.3118

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.0182	0.0000	9.0182	3.6487	0.0000	3.6487			0.0000			0.0000
Off-Road	1.5231	29.9782	36.7226	0.0620		0.6497	0.6497		0.6497	0.6497	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854
Total	1.5231	29.9782	36.7226	0.0620	9.0182	0.6497	9.6679	3.6487	0.6497	4.2984	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.4 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.4465	81.2605	18.4568	0.1847	4.0853	0.4956	4.5809	1.1190	0.4741	1.5931		19,870.4253	19,870.4253	1.1586		19,899.3903
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1069	0.0920	0.7861	1.8300e-003	0.1977	1.3100e-003	0.1990	0.0524	1.2100e-003	0.0537		181.7510	181.7510	6.8200e-003		181.9215
Total	2.5534	81.3525	19.2430	0.1865	4.2831	0.4969	4.7799	1.1714	0.4753	1.6468		20,052.1762	20,052.1762	1.1654		20,081.3118

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5006	11.7028	3.9284	0.0204	0.4827	0.0965	0.5791	0.1390	0.0923	0.2313		2,170.703 3	2,170.703 3	0.1468		2,174.374 3
Worker	1.8759	1.6142	13.7967	0.0321	3.4700	0.0229	3.4930	0.9203	0.0212	0.9415		3,189.729 4	3,189.729 4	0.1197		3,192.722 7
Total	2.3764	13.3171	17.7251	0.0525	3.9527	0.1194	4.0721	1.0593	0.1135	1.1728		5,360.432 7	5,360.432 7	0.2666		5,367.097 0

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5006	11.7028	3.9284	0.0204	0.4827	0.0965	0.5791	0.1390	0.0923	0.2313		2,170.703 3	2,170.703 3	0.1468		2,174.374 3
Worker	1.8759	1.6142	13.7967	0.0321	3.4700	0.0229	3.4930	0.9203	0.0212	0.9415		3,189.729 4	3,189.729 4	0.1197		3,192.722 7
Total	2.3764	13.3171	17.7251	0.0525	3.9527	0.1194	4.0721	1.0593	0.1135	1.1728		5,360.432 7	5,360.432 7	0.2666		5,367.097 0

3.5 Building Construction - 2020

Unmitigated Construction On-Site

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

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3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3988	10.6799	3.4634	0.0204	0.4828	0.0601	0.5429	0.1390	0.0575	0.1965		2,166.4306	2,166.4306	0.1374		2,169.8644
Worker	1.7113	1.4214	12.1216	0.0311	3.4700	0.0222	3.4922	0.9203	0.0205	0.9408		3,091.0014	3,091.0014	0.1022		3,093.5566
Total	2.1102	12.1013	15.5850	0.0514	3.9528	0.0823	4.0351	1.0594	0.0780	1.1373		5,257.4320	5,257.4320	0.2396		5,263.4210

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

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3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3988	10.6799	3.4634	0.0204	0.4828	0.0601	0.5429	0.1390	0.0575	0.1965		2,166.4306	2,166.4306	0.1374		2,169.8644
Worker	1.7113	1.4214	12.1216	0.0311	3.4700	0.0222	3.4922	0.9203	0.0205	0.9408		3,091.0014	3,091.0014	0.1022		3,093.5566
Total	2.1102	12.1013	15.5850	0.0514	3.9528	0.0823	4.0351	1.0594	0.0780	1.1373		5,257.4320	5,257.4320	0.2396		5,263.4210

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

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3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3282	9.7659	3.0712	0.0202	0.4829	0.0292	0.5121	0.1391	0.0279	0.1670		2,152.8370	2,152.8370	0.1340		2,156.1872
Worker	1.5970	1.2709	10.9781	0.0300	3.4700	0.0215	3.4915	0.9203	0.0198	0.9401		2,985.6548	2,985.6548	0.0907		2,987.9233
Total	1.9252	11.0368	14.0493	0.0502	3.9529	0.0507	4.0036	1.0594	0.0478	1.1071		5,138.4917	5,138.4917	0.2248		5,144.1105

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

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3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3282	9.7659	3.0712	0.0202	0.4829	0.0292	0.5121	0.1391	0.0279	0.1670		2,152.8370	2,152.8370	0.1340		2,156.1872
Worker	1.5970	1.2709	10.9781	0.0300	3.4700	0.0215	3.4915	0.9203	0.0198	0.9401		2,985.6548	2,985.6548	0.0907		2,987.9233
Total	1.9252	11.0368	14.0493	0.0502	3.9529	0.0507	4.0036	1.0594	0.0478	1.1071		5,138.4917	5,138.4917	0.2248		5,144.1105

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.6992					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	7.9413	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

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3.6 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3413	0.2835	2.4174	6.1900e-003	0.6920	4.4300e-003	0.6965	0.1835	4.0800e-003	0.1876		616.4390	616.4390	0.0204		616.9486
Total	0.3413	0.2835	2.4174	6.1900e-003	0.6920	4.4300e-003	0.6965	0.1835	4.0800e-003	0.1876		616.4390	616.4390	0.0204		616.9486

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.6992					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0218		281.9928
Total	7.7586	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0218		281.9928

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.6 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3413	0.2835	2.4174	6.1900e-003	0.6920	4.4300e-003	0.6965	0.1835	4.0800e-003	0.1876		616.4390	616.4390	0.0204		616.9486
Total	0.3413	0.2835	2.4174	6.1900e-003	0.6920	4.4300e-003	0.6965	0.1835	4.0800e-003	0.1876		616.4390	616.4390	0.0204		616.9486

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.6992					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	7.9181	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3185	0.2535	2.1894	5.9800e-003	0.6920	4.2900e-003	0.6963	0.1835	3.9500e-003	0.1875		595.4297	595.4297	0.0181		595.8821
Total	0.3185	0.2535	2.1894	5.9800e-003	0.6920	4.2900e-003	0.6963	0.1835	3.9500e-003	0.1875		595.4297	595.4297	0.0181		595.8821

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.6992					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0193		281.9309
Total	7.7586	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0193		281.9309

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3185	0.2535	2.1894	5.9800e-003	0.6920	4.2900e-003	0.6963	0.1835	3.9500e-003	0.1875		595.4297	595.4297	0.0181		595.8821
Total	0.3185	0.2535	2.1894	5.9800e-003	0.6920	4.2900e-003	0.6963	0.1835	3.9500e-003	0.1875		595.4297	595.4297	0.0181		595.8821

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3294					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5849	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.7 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0683	0.0543	0.4692	1.2800e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		127.5921	127.5921	3.8800e-003		127.6890
Total	0.0683	0.0543	0.4692	1.2800e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		127.5921	127.5921	3.8800e-003		127.6890

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.3047	0.3047		0.3047	0.3047	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3294					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8903	11.2952	17.2957	0.0228		0.3047	0.3047		0.3047	0.3047	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

3.7 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0683	0.0543	0.4692	1.2800e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		127.5921	127.5921	3.8800e-003		127.6890
Total	0.0683	0.0543	0.4692	1.2800e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		127.5921	127.5921	3.8800e-003		127.6890

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.8125	11.6344	31.3934	0.0883	8.3620	0.0925	8.4545	2.2338	0.0868	2.3207		8,911.1736	8,911.1736	0.3636		8,920.2625
Unmitigated	2.8125	11.6344	31.3934	0.0883	8.3620	0.0925	8.4545	2.2338	0.0868	2.3207		8,911.1736	8,911.1736	0.3636		8,920.2625

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,002.73	1,042.13	908.17	2,528,468	2,528,468
City Park	0.00	0.00	0.00		
General Office Building	300.00	67.00	28.50	518,513	518,513
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	221.75	259.50	131.00	309,253	309,253
Single Family Housing	91.62	95.22	82.98	231,028	231,028
Total	1,616.10	1,463.85	1,150.65	3,587,261	3,587,261

4.3 Trip Type Information

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
City Park	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Apartments Mid Rise	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Single Family Housing	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Regional Shopping Center	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install Energy Efficient Appliances

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0820	0.7067	0.3427	4.4700e-003		0.0566	0.0566		0.0566	0.0566		894.3651	894.3651	0.0171	0.0164	899.6798
NaturalGas Unmitigated	0.0975	0.8404	0.4100	5.3200e-003		0.0673	0.0673		0.0673	0.0673		1,063.1759	1,063.1759	0.0204	0.0195	1,069.4938

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	5974.27	0.0644	0.5506	0.2343	3.5100e-003		0.0445	0.0445		0.0445	0.0445		702.8547	702.8547	0.0135	0.0129	707.0314
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1126.71	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
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
Regional Shopping Center	163.014	1.7600e-003	0.0160	0.0134	1.0000e-004		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		19.1781	19.1781	3.7000e-004	3.5000e-004	19.2921
Single Family Housing	1773	0.0191	0.1634	0.0695	1.0400e-003		0.0132	0.0132		0.0132	0.0132		208.5887	208.5887	4.0000e-003	3.8200e-003	209.8282
Total		0.0975	0.8404	0.4100	5.3100e-003		0.0673	0.0673		0.0673	0.0673		1,063.1759	1,063.1759	0.0204	0.0195	1,069.4938

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	5.11998	0.0552	0.4718	0.2008	3.0100e-003		0.0382	0.0382		0.0382	0.0382		602.3505	602.3505	0.0116	0.0110	605.9300
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.902192	9.7300e-003	0.0885	0.0743	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.1402	106.1402	2.0300e-003	1.9500e-003	106.7710
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
Regional Shopping Center	0.130411	1.4100e-003	0.0128	0.0107	8.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004		15.3425	15.3425	2.9000e-004	2.8000e-004	15.4336
Single Family Housing	1.44952	0.0156	0.1336	0.0568	8.5000e-004		0.0108	0.0108		0.0108	0.0108		170.5319	170.5319	3.2700e-003	3.1300e-003	171.5453
Total		0.0820	0.7067	0.3427	4.4700e-003		0.0566	0.0566		0.0566	0.0566		894.3651	894.3651	0.0171	0.0164	899.6798

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.9027	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981	0.0000	31.9519	31.9519	0.0309	0.0000	32.7231
Unmitigated	8.9027	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981	0.0000	31.9519	31.9519	0.0309	0.0000	32.7231

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	2.3057					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0601					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	0.5369	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981		31.9519	31.9519	0.0309		32.7231
Total	8.9027	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981	0.0000	31.9519	31.9519	0.0309	0.0000	32.7231

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.3057					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0601					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	0.5369	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981		31.9519	31.9519	0.0309		32.7231
Total	8.9027	0.2048	17.7630	9.4000e-004		0.0981	0.0981		0.0981	0.0981	0.0000	31.9519	31.9519	0.0309	0.0000	32.7231

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Winter

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summary Report

Mitigated - San Luis Ranch Project - 2019 Start
San Luis Obispo County APCD, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	0.63	25,000.00	0
Parking Lot	1.90	Acre	1.90	82,764.00	0
Parking Lot	1.80	Acre	1.80	78,408.00	0
Parking Lot	0.70	Acre	0.70	30,492.00	0
City Park	5.80	Acre	5.80	252,648.00	0
Apartments Mid Rise	197.00	Dwelling Unit	7.20	197,000.00	563
Single Family Housing	18.00	Dwelling Unit	9.10	32,400.00	51
Regional Shopping Center	25.00	1000sqft	0.57	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summary Report

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 1, 2, 3, 5, and 6; and Dalidio improvements.

Construction Phase - No demolition in phases 1, 2, 4, 5 and 6. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition - Building sf estimated using Google Earth

Grading - Total import proportionally distributed by phase acreage.

Architectural Coating - Per MM AQ-2

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Woodstoves - PEr MM AQ-3

Construction Off-road Equipment Mitigation - per MM AQ-2

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Area Mitigation - Per MM AQ-3

Energy Mitigation - Per Specific Plan, appliances will be energy efficient. Exceed Title 24 per MM AQ-3

Water Mitigation - Total outdoor water use for these land uses = 20.7 Mgal, with park at 6.9 Mgal; Park using reclaimed = 33% of total.

2.0 Peak Daily Emissions

Peak Daily Construction Emissions

Peak Daily Construction Emissions

Mitigated - San Luis Ranch Project - 2019 Start - San Luis Obispo County APCD Air District, Summary Report

Year	Phase	Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
		lb/day											
2019	Demolition	3.6214 W	36.7771 W	22.8602 S	0.0424 S	2.5915 W	1.8182 W	1.0326 W	19.3071 W	25.4740 S	0.0424 S	1.2279 W	0.5799 W
2019	Site Preparation	4.4312 W	45.6555 W	22.7864 S	0.0397 S	20.6358 S	12.1781 S	1.0274 W	19.1484 W	23.6834 S	0.0397 S	18.7185 S	10.4520 S
2019	Grading	7.2923 W	135.8726 W	52.6197 W	0.2512 S	16.1808 W	7.4875 W	4.0765 W	111.3307 W	55.9656 W	0.2512 S	14.4479 W	5.9452 W
2019	Building Construction	4.7376 W	34.3959 W	34.8889 W	0.0816 S	5.3620 W	2.3855 W	3.0503 W	27.5431 W	35.5989 W	0.0816 S	4.5239 W	1.6245 W
2020	Building Construction	4.2300 W	31.2873 W	32.4335 W	0.0805 S	5.1521 W	2.1877 W	2.7841 W	26.3273 W	33.4587 W	0.0805 S	4.4868 W	1.5891 W
2021	Building Construction	3.8261 W	28.4689 W	30.6245 W	0.0792 S	4.9622 W	2.0084 W	2.5991 W	25.2629 W	31.9231 W	0.0792 S	4.4553 W	1.5589 W
2020	Architectural Coating	8.2826 W	1.9673 W	4.3162 S	9.4700e-003 S	0.8074 S	0.2986 S	8.0999 W	1.6405 W	4.3172 S	9.4700e-003 S	0.7440 S	0.2352 S
2021	Architectural Coating	8.2366 W	1.7803 W	4.0740 S	9.2400e-003 S	0.7904 S	0.2816 S	8.0771 W	1.6104 W	4.0888 S	9.2400e-003 S	0.7439 S	0.2350 S
2021	Paving	1.6532 W	12.9734 W	15.1368 S	0.0241 S	0.8269 S	0.6637 S	0.9586 W	11.3495 W	17.7792 S	0.0241 S	0.4539 S	0.3449 S
	Peak Daily Total	8.2826 W	135.8726 W	52.6197 W	0.2512 S	20.6358 S	12.1781 S	8.0999 W	111.3307 W	55.9656 W	0.2512 S	18.7185 S	10.4520 S
	Air District Threshold												
	Exceed Significance?												

Peak Daily Operational Emissions**Peak Daily Operational Emissions**

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

Mitigated - San Luis Ranch Project - 2020 Start
San Luis Obispo County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	1.30	25,000.00	0
Parking Lot	0.60	Acre	0.60	26,136.00	0
Parking Lot	1.80	Acre	1.80	78,408.00	0
City Park	2.70	Acre	2.70	117,612.00	0
Apartments Mid Rise	83.00	Dwelling Unit	4.00	83,000.00	237
Regional Shopping Center	25.00	1000sqft	0.57	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 3, 5, and 6. Ag SF from Sect 3.9 of Specific Plan.

Construction Phase - No demolition. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Grading - Total import proportionally distributed by phase acreage.

Architectural Coating - Per MM AQ-2

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Woodstoves - Per MM AQ-3

Construction Off-road Equipment Mitigation - Per MM AQ-2

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Area Mitigation - Per MM AQ-3

Energy Mitigation - Per Specific Plan, appliances will be energy efficient. Per MM AQ-3

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	150.00
tblGrading	MaterialImported	0.00	29,760.00
tblLandUse	BuildingSpaceSquareFeet	0.00	117,612.00
tblLandUse	GreenSpaceSquareFeet	117,612.00	0.00
tblLandUse	LotAcreage	0.57	1.30
tblLandUse	LotAcreage	2.18	4.00
tblProjectCharacteristics	OperationalYear	2018	2022
tblVehicleTrips	ST_TR	6.39	5.29
tblVehicleTrips	ST_TR	2.46	2.68
tblVehicleTrips	ST_TR	49.97	10.38
tblVehicleTrips	SU_TR	5.86	4.61
tblVehicleTrips	SU_TR	1.05	1.14
tblVehicleTrips	SU_TR	25.24	5.24
tblVehicleTrips	WD_TR	6.65	5.09
tblVehicleTrips	WD_TR	1.89	44.44
tblVehicleTrips	WD_TR	11.03	12.00
tblVehicleTrips	WD_TR	42.70	8.87
tblWoodstoves	WoodstoveDayYear	60.00	0.00

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

tblWoodstoves	WoodstoveWoodMass	2,016.00	0.00
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2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.6816	4.4287	3.5093	8.6100e-003	0.4745	0.1777	0.6522	0.1717	0.1664	0.3381	0.0000	779.7753	779.7753	0.1153	0.0000	782.6577
2021	0.5693	1.1105	1.2018	2.5600e-003	0.0903	0.0499	0.1402	0.0242	0.0470	0.0712	0.0000	227.8043	227.8043	0.0334	0.0000	228.6403
Maximum	0.6816	4.4287	3.5093	8.6100e-003	0.4745	0.1777	0.6522	0.1717	0.1664	0.3381	0.0000	779.7753	779.7753	0.1153	0.0000	782.6577

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	0.4567	3.4496	3.7018	8.6100e-003	0.4745	0.0707	0.5452	0.1717	0.0704	0.2421	0.0000	779.7748	779.7748	0.1153	0.0000	782.6573
2021	0.5067	0.9609	1.2796	2.5600e-003	0.0903	0.0241	0.1144	0.0242	0.0240	0.0482	0.0000	227.8041	227.8041	0.0334	0.0000	228.6402
Maximum	0.5067	3.4496	3.7018	8.6100e-003	0.4745	0.0707	0.5452	0.1717	0.0704	0.2421	0.0000	779.7748	779.7748	0.1153	0.0000	782.6573

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, 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
Percent Reduction	22.98	20.38	-5.74	0.00	0.00	58.35	16.76	0.00	55.79	29.09	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2020	3-31-2020	2.0187	1.4589
2	4-1-2020	6-30-2020	0.9195	0.7114
3	7-1-2020	9-30-2020	0.9296	0.7192
4	10-1-2020	12-31-2020	1.2172	0.9936
5	1-1-2021	3-31-2021	1.1771	1.0240
6	4-1-2021	6-30-2021	0.5135	0.4530
		Highest	2.0187	1.4589

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	1.3460	0.0131	1.1320	6.0000e-005		6.2500e-003	6.2500e-003		6.2500e-003	6.2500e-003	0.0000	1.8474	1.8474	1.7900e-003	0.0000	1.8920
Energy	7.4900e-003	0.0654	0.0374	4.1000e-004		5.1800e-003	5.1800e-003		5.1800e-003	5.1800e-003	0.0000	419.5645	419.5645	0.0170	4.5900e-003	421.3586
Mobile	0.2782	1.1554	3.0354	8.6400e-003	0.7880	8.9600e-003	0.7969	0.2110	8.4100e-003	0.2194	0.0000	791.3005	791.3005	0.0320	0.0000	792.1015
Waste						0.0000	0.0000		0.0000	0.0000	17.8449	0.0000	17.8449	1.0546	0.0000	44.2101
Water						0.0000	0.0000		0.0000	0.0000	3.7128	29.0972	32.8100	0.3827	9.2800e-003	45.1408
Total	1.6317	1.2339	4.2048	9.1100e-003	0.7880	0.0204	0.8084	0.2110	0.0198	0.2308	21.5577	1,241.8096	1,263.3673	1.4881	0.0139	1,304.7030

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, 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	1.3460	0.0131	1.1320	6.0000e-005		6.2500e-003	6.2500e-003		6.2500e-003	6.2500e-003	0.0000	1.8474	1.8474	1.7900e-003	0.0000	1.8920
Energy	6.2800e-003	0.0548	0.0310	3.4000e-004		4.3400e-003	4.3400e-003		4.3400e-003	4.3400e-003	0.0000	389.5743	389.5743	0.0160	4.2000e-003	391.2266
Mobile	0.2782	1.1554	3.0354	8.6400e-003	0.7880	8.9600e-003	0.7969	0.2110	8.4100e-003	0.2194	0.0000	791.3005	791.3005	0.0320	0.0000	792.1015
Waste						0.0000	0.0000		0.0000	0.0000	17.8449	0.0000	17.8449	1.0546	0.0000	44.2101
Water						0.0000	0.0000		0.0000	0.0000	3.7128	29.0972	32.8100	0.3827	9.2800e-003	45.1408
Total	1.6305	1.2232	4.1984	9.0400e-003	0.7880	0.0196	0.8075	0.2110	0.0190	0.2300	21.5577	1,211.8194	1,233.3771	1.4871	0.0135	1,274.5710

	ROG	NOx	CO	SO2	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	0.07	0.86	0.15	0.77	0.00	4.12	0.10	0.00	4.23	0.36	0.00	2.42	2.37	0.07	2.81	2.31

3.0 Construction Detail

Construction Phase

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2020	1/14/2020	5	10	
2	Grading	Grading	1/15/2020	2/25/2020	5	30	
3	Building Construction	Building Construction	2/26/2020	4/20/2021	5	300	
4	Architectural Coating	Architectural Coating	10/21/2020	5/18/2021	5	150	
5	Paving	Paving	4/21/2021	5/18/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 2.4

Residential Indoor: 168,075; Residential Outdoor: 56,025; Non-Residential Indoor: 251,418; Non-Residential Outdoor: 83,806; Striped Parking Area: 6,273 (Architectural Coating – sqft)

OffRoad Equipment

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	3,720.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	169.00	53.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	34.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Clean Paved Roads

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2121	0.1076	1.9000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
Total	0.0204	0.2121	0.1076	1.9000e-004	0.0903	0.0110	0.1013	0.0497	0.0101	0.0598	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

3.2 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	3.9000e-004	3.6000e-004	3.1000e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7249	0.7249	2.0000e-005	0.0000	0.7255
Total	3.9000e-004	3.6000e-004	3.1000e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7249	0.7249	2.0000e-005	0.0000	0.7255

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6600e-003	0.0953	0.1148	1.9000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
Total	4.6600e-003	0.0953	0.1148	1.9000e-004	0.0903	2.3700e-003	0.0927	0.0497	2.3700e-003	0.0520	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505

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3.2 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	3.9000e-004	3.6000e-004	3.1000e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7249	0.7249	2.0000e-005	0.0000	0.7255
Total	3.9000e-004	3.6000e-004	3.1000e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.7000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7249	0.7249	2.0000e-005	0.0000	0.7255

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1328	0.0000	0.1328	0.0544	0.0000	0.0544	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0668	0.7530	0.4794	9.3000e-004		0.0326	0.0326		0.0300	0.0300	0.0000	81.7264	81.7264	0.0264	0.0000	82.3872
Total	0.0668	0.7530	0.4794	9.3000e-004	0.1328	0.0326	0.1655	0.0544	0.0300	0.0844	0.0000	81.7264	81.7264	0.0264	0.0000	82.3872

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3.3 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0162	0.5983	0.1300	1.4600e-003	0.0317	2.6100e-003	0.0343	8.7100e-003	2.4900e-003	0.0112	0.0000	143.0784	143.0784	8.1100e-003	0.0000	143.2811
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3100e-003	1.1900e-003	0.0103	3.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.4162	2.4162	8.0000e-005	0.0000	2.4182
Total	0.0175	0.5994	0.1403	1.4900e-003	0.0346	2.6300e-003	0.0372	9.4800e-003	2.5100e-003	0.0120	0.0000	145.4946	145.4946	8.1900e-003	0.0000	145.6993

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1328	0.0000	0.1328	0.0544	0.0000	0.0544	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0229	0.4497	0.5508	9.3000e-004		9.7500e-003	9.7500e-003		9.7500e-003	9.7500e-003	0.0000	81.7263	81.7263	0.0264	0.0000	82.3871
Total	0.0229	0.4497	0.5508	9.3000e-004	0.1328	9.7500e-003	0.1426	0.0544	9.7500e-003	0.0641	0.0000	81.7263	81.7263	0.0264	0.0000	82.3871

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3.3 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0162	0.5983	0.1300	1.4600e-003	0.0317	2.6100e-003	0.0343	8.7100e-003	2.4900e-003	0.0112	0.0000	143.0784	143.0784	8.1100e-003	0.0000	143.2811
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3100e-003	1.1900e-003	0.0103	3.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.4162	2.4162	8.0000e-005	0.0000	2.4182
Total	0.0175	0.5994	0.1403	1.4900e-003	0.0346	2.6300e-003	0.0372	9.4800e-003	2.5100e-003	0.0120	0.0000	145.4946	145.4946	8.1900e-003	0.0000	145.6993

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2353	2.1297	1.8702	2.9900e-003		0.1240	0.1240		0.1166	0.1166	0.0000	257.0871	257.0871	0.0627	0.0000	258.6551
Total	0.2353	2.1297	1.8702	2.9900e-003		0.1240	0.1240		0.1166	0.1166	0.0000	257.0871	257.0871	0.0627	0.0000	258.6551

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3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0219	0.6124	0.1855	1.1700e-003	0.0267	3.3400e-003	0.0301	7.7200e-003	3.1900e-003	0.0109	0.0000	113.1821	113.1821	6.8100e-003	0.0000	113.3523
Worker	0.0820	0.0745	0.6452	1.6700e-003	0.1806	1.1900e-003	0.1818	0.0480	1.0900e-003	0.0491	0.0000	151.0865	151.0865	4.9700e-003	0.0000	151.2109
Total	0.1039	0.6869	0.8308	2.8400e-003	0.2073	4.5300e-003	0.2118	0.0557	4.2800e-003	0.0600	0.0000	264.2686	264.2686	0.0118	0.0000	264.5632

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0748	1.5791	1.9840	2.9900e-003		0.0502	0.0502		0.0502	0.0502	0.0000	257.0868	257.0868	0.0627	0.0000	258.6548
Total	0.0748	1.5791	1.9840	2.9900e-003		0.0502	0.0502		0.0502	0.0502	0.0000	257.0868	257.0868	0.0627	0.0000	258.6548

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3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0219	0.6124	0.1855	1.1700e-003	0.0267	3.3400e-003	0.0301	7.7200e-003	3.1900e-003	0.0109	0.0000	113.1821	113.1821	6.8100e-003	0.0000	113.3523
Worker	0.0820	0.0745	0.6452	1.6700e-003	0.1806	1.1900e-003	0.1818	0.0480	1.0900e-003	0.0491	0.0000	151.0865	151.0865	4.9700e-003	0.0000	151.2109
Total	0.1039	0.6869	0.8308	2.8400e-003	0.2073	4.5300e-003	0.2118	0.0557	4.2800e-003	0.0600	0.0000	264.2686	264.2686	0.0118	0.0000	264.5632

3.4 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	0.0741	0.6799	0.6464	1.0500e-003		0.0374	0.0374		0.0352	0.0352	0.0000	90.3385	90.3385	0.0218	0.0000	90.8834
Total	0.0741	0.6799	0.6464	1.0500e-003		0.0374	0.0374		0.0352	0.0352	0.0000	90.3385	90.3385	0.0218	0.0000	90.8834

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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	6.3000e-003	0.1968	0.0577	4.1000e-004	9.3900e-003	5.6000e-004	9.9500e-003	2.7100e-003	5.4000e-004	3.2500e-003	0.0000	39.5283	39.5283	2.3300e-003	0.0000	39.5866
Worker	0.0269	0.0234	0.2055	5.7000e-004	0.0635	4.0000e-004	0.0639	0.0169	3.7000e-004	0.0172	0.0000	51.2753	51.2753	1.5500e-003	0.0000	51.3141
Total	0.0332	0.2202	0.2631	9.8000e-004	0.0728	9.6000e-004	0.0738	0.0196	9.1000e-004	0.0205	0.0000	90.8036	90.8036	3.8800e-003	0.0000	90.9007

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0263	0.5548	0.6971	1.0500e-003		0.0176	0.0176		0.0176	0.0176	0.0000	90.3384	90.3384	0.0218	0.0000	90.8833
Total	0.0263	0.5548	0.6971	1.0500e-003		0.0176	0.0176		0.0176	0.0176	0.0000	90.3384	90.3384	0.0218	0.0000	90.8833

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3.4 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	6.3000e-003	0.1968	0.0577	4.1000e-004	9.3900e-003	5.6000e-004	9.9500e-003	2.7100e-003	5.4000e-004	3.2500e-003	0.0000	39.5283	39.5283	2.3300e-003	0.0000	39.5866
Worker	0.0269	0.0234	0.2055	5.7000e-004	0.0635	4.0000e-004	0.0639	0.0169	3.7000e-004	0.0172	0.0000	51.2753	51.2753	1.5500e-003	0.0000	51.3141
Total	0.0332	0.2202	0.2631	9.8000e-004	0.0728	9.6000e-004	0.0738	0.0196	9.1000e-004	0.0205	0.0000	90.8036	90.8036	3.8800e-003	0.0000	90.9007

3.5 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2272					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3000e-003	0.0438	0.0476	8.0000e-005		2.8800e-003	2.8800e-003		2.8800e-003	2.8800e-003	0.0000	6.6385	6.6385	5.1000e-004	0.0000	6.6513
Total	0.2335	0.0438	0.0476	8.0000e-005		2.8800e-003	2.8800e-003		2.8800e-003	2.8800e-003	0.0000	6.6385	6.6385	5.1000e-004	0.0000	6.6513

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3.5 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	3.8700e-003	3.5100e-003	0.0304	8.0000e-005	8.5100e-003	6.0000e-005	8.5700e-003	2.2600e-003	5.0000e-005	2.3100e-003	0.0000	7.1198	7.1198	2.3000e-004	0.0000	7.1257
Total	3.8700e-003	3.5100e-003	0.0304	8.0000e-005	8.5100e-003	6.0000e-005	8.5700e-003	2.2600e-003	5.0000e-005	2.3100e-003	0.0000	7.1198	7.1198	2.3000e-004	0.0000	7.1257

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2272					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5500e-003	0.0353	0.0476	8.0000e-005		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	6.6385	6.6385	5.1000e-004	0.0000	6.6513
Total	0.2288	0.0353	0.0476	8.0000e-005		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	6.6385	6.6385	5.1000e-004	0.0000	6.6513

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3.5 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	3.8700e-003	3.5100e-003	0.0304	8.0000e-005	8.5100e-003	6.0000e-005	8.5700e-003	2.2600e-003	5.0000e-005	2.3100e-003	0.0000	7.1198	7.1198	2.3000e-004	0.0000	7.1257
Total	3.8700e-003	3.5100e-003	0.0304	8.0000e-005	8.5100e-003	6.0000e-005	8.5700e-003	2.2600e-003	5.0000e-005	2.3100e-003	0.0000	7.1198	7.1198	2.3000e-004	0.0000	7.1257

3.5 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4282					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0107	0.0748	0.0891	1.5000e-004		4.6100e-003	4.6100e-003		4.6100e-003	4.6100e-003	0.0000	12.5109	12.5109	8.6000e-004	0.0000	12.5324
Total	0.4389	0.0748	0.0891	1.5000e-004		4.6100e-003	4.6100e-003		4.6100e-003	4.6100e-003	0.0000	12.5109	12.5109	8.6000e-004	0.0000	12.5324

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3.5 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	6.7900e-003	5.9200e-003	0.0519	1.4000e-004	0.0160	1.0000e-004	0.0161	4.2600e-003	9.0000e-005	4.3600e-003	0.0000	12.9608	12.9608	3.9000e-004	0.0000	12.9706
Total	6.7900e-003	5.9200e-003	0.0519	1.4000e-004	0.0160	1.0000e-004	0.0161	4.2600e-003	9.0000e-005	4.3600e-003	0.0000	12.9608	12.9608	3.9000e-004	0.0000	12.9706

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4282					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9100e-003	0.0665	0.0898	1.5000e-004		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	12.5109	12.5109	8.6000e-004	0.0000	12.5324
Total	0.4311	0.0665	0.0898	1.5000e-004		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	12.5109	12.5109	8.6000e-004	0.0000	12.5324

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

3.5 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	6.7900e-003	5.9200e-003	0.0519	1.4000e-004	0.0160	1.0000e-004	0.0161	4.2600e-003	9.0000e-005	4.3600e-003	0.0000	12.9608	12.9608	3.9000e-004	0.0000	12.9706
Total	6.7900e-003	5.9200e-003	0.0519	1.4000e-004	0.0160	1.0000e-004	0.0161	4.2600e-003	9.0000e-005	4.3600e-003	0.0000	12.9608	12.9608	3.9000e-004	0.0000	12.9706

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	3.1400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0157	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	6.1000e-004	5.3000e-004	4.6800e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1669	1.1669	4.0000e-005	0.0000	1.1678
Total	6.1000e-004	5.3000e-004	4.6800e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1669	1.1669	4.0000e-005	0.0000	1.1678

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.6100e-003	0.1130	0.1730	2.3000e-004		3.0500e-003	3.0500e-003		3.0500e-003	3.0500e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	3.1400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.7500e-003	0.1130	0.1730	2.3000e-004		3.0500e-003	3.0500e-003		3.0500e-003	3.0500e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	6.1000e-004	5.3000e-004	4.6800e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1669	1.1669	4.0000e-005	0.0000	1.1678
Total	6.1000e-004	5.3000e-004	4.6800e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1669	1.1669	4.0000e-005	0.0000	1.1678

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, 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	0.2782	1.1554	3.0354	8.6400e-003	0.7880	8.9600e-003	0.7969	0.2110	8.4100e-003	0.2194	0.0000	791.3005	791.3005	0.0320	0.0000	792.1015
Unmitigated	0.2782	1.1554	3.0354	8.6400e-003	0.7880	8.9600e-003	0.7969	0.2110	8.4100e-003	0.2194	0.0000	791.3005	791.3005	0.0320	0.0000	792.1015

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	422.47	439.07	382.63	1,065,294	1,065,294
City Park	119.99	61.43	45.20	205,134	205,134
General Office Building	300.00	67.00	28.50	518,513	518,513
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	221.75	259.50	131.00	309,253	309,253
Total	1,064.21	827.00	587.33	2,098,193	2,098,193

4.3 Trip Type Information

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

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 Mid Rise	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
City Park	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Apartments Mid Rise	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Regional Shopping Center	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install Energy Efficient Appliances

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, 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					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	327.4450	327.4450	0.0148	3.0600e-003	328.7281
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	345.4164	345.4164	0.0156	3.2300e-003	346.7699
NaturalGas Mitigated	6.2800e-003	0.0548	0.0310	3.4000e-004		4.3400e-003	4.3400e-003		4.3400e-003	4.3400e-003	0.0000	62.1293	62.1293	1.1900e-003	1.1400e-003	62.4985
NaturalGas Unmitigated	7.4900e-003	0.0654	0.0374	4.1000e-004		5.1800e-003	5.1800e-003		5.1800e-003	5.1800e-003	0.0000	74.1481	74.1481	1.4200e-003	1.3600e-003	74.5887

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, 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 Mid Rise	918733	4.9500e-003	0.0423	0.0180	2.7000e-004		3.4200e-003	3.4200e-003		3.4200e-003	3.4200e-003	0.0000	49.0271	49.0271	9.4000e-004	9.0000e-004	49.3184
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	411250	2.2200e-003	0.0202	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.9459	21.9459	4.2000e-004	4.0000e-004	22.0763
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
Regional Shopping Center	59500	3.2000e-004	2.9200e-003	2.4500e-003	2.0000e-005		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.0000	3.1752	3.1752	6.0000e-005	6.0000e-005	3.1940
Total		7.4900e-003	0.0654	0.0374	4.1000e-004		5.1700e-003	5.1700e-003		5.1700e-003	5.1700e-003	0.0000	74.1481	74.1481	1.4200e-003	1.3600e-003	74.5887

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	787359	4.2500e-003	0.0363	0.0154	2.3000e-004		2.9300e-003	2.9300e-003		2.9300e-003	2.9300e-003	0.0000	42.0165	42.0165	8.1000e-004	7.7000e-004	42.2662
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	329300	1.7800e-003	0.0161	0.0136	1.0000e-004		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	17.5727	17.5727	3.4000e-004	3.2000e-004	17.6771
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
Regional Shopping Center	47600	2.6000e-004	2.3300e-003	1.9600e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	2.5401	2.5401	5.0000e-005	5.0000e-005	2.5552
Total		6.2900e-003	0.0548	0.0310	3.4000e-004		4.3400e-003	4.3400e-003		4.3400e-003	4.3400e-003	0.0000	62.1293	62.1293	1.2000e-003	1.1400e-003	62.4985

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	366111	106.5058	4.8200e-003	1.0000e-003	106.9231
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	455500	132.5102	5.9900e-003	1.2400e-003	133.0294
Parking Lot	22999.7	6.6909	3.0000e-004	6.0000e-005	6.7171
Parking Lot	68999	20.0726	9.1000e-004	1.9000e-004	20.1513
Regional Shopping Center	273750	79.6370	3.6000e-003	7.5000e-004	79.9491
Total		345.4164	0.0156	3.2400e-003	346.7699

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	350784	102.0472	4.6100e-003	9.5000e-004	102.4471
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	423500	123.2010	5.5700e-003	1.1500e-003	123.6837
Parking Lot	22999.7	6.6909	3.0000e-004	6.0000e-005	6.7171
Parking Lot	68999	20.0726	9.1000e-004	1.9000e-004	20.1513
Regional Shopping Center	259300	75.4333	3.4100e-003	7.1000e-004	75.7289
Total		327.4450	0.0148	3.0600e-003	328.7281

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

No Hearths Installed

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, 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	1.3460	0.0131	1.1320	6.0000e-005		6.2500e-003	6.2500e-003		6.2500e-003	6.2500e-003	0.0000	1.8474	1.8474	1.7900e-003	0.0000	1.8920
Unmitigated	1.3460	0.0131	1.1320	6.0000e-005		6.2500e-003	6.2500e-003		6.2500e-003	6.2500e-003	0.0000	1.8474	1.8474	1.7900e-003	0.0000	1.8920

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	0.3262					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9855					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	0.0343	0.0131	1.1320	6.0000e-005		6.2500e-003	6.2500e-003		6.2500e-003	6.2500e-003	0.0000	1.8474	1.8474	1.7900e-003	0.0000	1.8920
Total	1.3460	0.0131	1.1320	6.0000e-005		6.2500e-003	6.2500e-003		6.2500e-003	6.2500e-003	0.0000	1.8474	1.8474	1.7900e-003	0.0000	1.8920

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, 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	0.3262					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9855					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	0.0343	0.0131	1.1320	6.0000e-005		6.2500e-003	6.2500e-003		6.2500e-003	6.2500e-003	0.0000	1.8474	1.8474	1.7900e-003	0.0000	1.8920
Total	1.3460	0.0131	1.1320	6.0000e-005		6.2500e-003	6.2500e-003		6.2500e-003	6.2500e-003	0.0000	1.8474	1.8474	1.7900e-003	0.0000	1.8920

7.0 Water Detail

7.1 Mitigation Measures Water

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	32.8100	0.3827	9.2800e-003	45.1408
Unmitigated	32.8100	0.3827	9.2800e-003	45.1408

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	5.40778 / 3.40926	13.6994	0.1768	4.2700e-003	19.3916
City Park	0 / 3.217	3.2755	1.5000e-004	3.0000e-005	3.2884
General Office Building	4.44334 / 2.72334	11.1769	0.1452	3.5100e-003	15.8536
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.85181 / 1.13498	4.6581	0.0605	1.4600e-003	6.6072
Total		32.8100	0.3827	9.2700e-003	45.1407

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	5.40778 / 3.40926	13.6994	0.1768	4.2700e-003	19.3916
City Park	0 / 3.217	3.2755	1.5000e-004	3.0000e-005	3.2884
General Office Building	4.44334 / 2.72334	11.1769	0.1452	3.5100e-003	15.8536
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.85181 / 1.13498	4.6581	0.0605	1.4600e-003	6.6072
Total		32.8100	0.3827	9.2700e-003	45.1407

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	17.8449	1.0546	0.0000	44.2101
Unmitigated	17.8449	1.0546	0.0000	44.2101

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	38.18	7.7502	0.4580	0.0000	19.2008
City Park	0.23	0.0467	2.7600e-003	0.0000	0.1157
General Office Building	23.25	4.7195	0.2789	0.0000	11.6925
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	26.25	5.3285	0.3149	0.0000	13.2012
Total		17.8449	1.0546	0.0000	44.2101

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	38.18	7.7502	0.4580	0.0000	19.2008
City Park	0.23	0.0467	2.7600e-003	0.0000	0.1157
General Office Building	23.25	4.7195	0.2789	0.0000	11.6925
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	26.25	5.3285	0.3149	0.0000	13.2012
Total		17.8449	1.0546	0.0000	44.2101

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Annual

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

Mitigated - San Luis Ranch Project - 2020 Start
San Luis Obispo County APCD Air District, Summer

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	1.30	25,000.00	0
Parking Lot	0.60	Acre	0.60	26,136.00	0
Parking Lot	1.80	Acre	1.80	78,408.00	0
City Park	2.70	Acre	2.70	117,612.00	0
Apartments Mid Rise	83.00	Dwelling Unit	4.00	83,000.00	237
Regional Shopping Center	25.00	1000sqft	0.57	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 3, 5, and 6. Ag SF from Sect 3.9 of Specific Plan.

Construction Phase - No demolition. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Grading - Total import proportionally distributed by phase acreage.

Architectural Coating - Per MM AQ-2

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Woodstoves - Per MM AQ-3

Construction Off-road Equipment Mitigation - Per MM AQ-2

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Area Mitigation - Per MM AQ-3

Energy Mitigation - Per Specific Plan, appliances will be energy efficient. Per MM AQ-3

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	150.00
tblGrading	MaterialImported	0.00	29,760.00
tblLandUse	BuildingSpaceSquareFeet	0.00	117,612.00
tblLandUse	GreenSpaceSquareFeet	117,612.00	0.00
tblLandUse	LotAcreage	0.57	1.30
tblLandUse	LotAcreage	2.18	4.00
tblProjectCharacteristics	OperationalYear	2018	2022
tblVehicleTrips	ST_TR	6.39	5.29
tblVehicleTrips	ST_TR	2.46	2.68
tblVehicleTrips	ST_TR	49.97	10.38
tblVehicleTrips	SU_TR	5.86	4.61
tblVehicleTrips	SU_TR	1.05	1.14
tblVehicleTrips	SU_TR	25.24	5.24
tblVehicleTrips	WD_TR	6.65	5.09
tblVehicleTrips	WD_TR	1.89	44.44
tblVehicleTrips	WD_TR	11.03	12.00
tblVehicleTrips	WD_TR	42.70	8.87
tblWoodstoves	WoodstoveDayYear	60.00	0.00

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

tblWoodstoves	WoodstoveWoodMass	2,016.00	0.00
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2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	12.1609	89.3882	41.0973	0.1620	18.2442	2.3474	20.4428	9.9779	2.1659	12.0006	0.0000	16,770.37 29	16,770.37 29	2.5356	0.0000	16,833.76 25
2021	11.8240	24.6163	26.3187	0.0587	2.2530	1.0792	3.3322	0.6031	1.0203	1.6234	0.0000	5,778.237 6	5,778.237 6	0.7535	0.0000	5,797.075 2
Maximum	12.1609	89.3882	41.0973	0.1620	18.2442	2.3474	20.4428	9.9779	2.1659	12.0006	0.0000	16,770.37 29	16,770.37 29	2.5356	0.0000	16,833.76 25

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	10.5323	69.1689	45.8616	0.1620	18.2442	0.8232	18.7184	9.9779	0.8156	10.4520	0.0000	16,770.37 29	16,770.37 29	2.5356	0.0000	16,833.76 25
2021	10.4375	21.2404	27.6321	0.0587	2.2530	0.5258	2.7787	0.6031	0.5242	1.1274	0.0000	5,778.237 6	5,778.237 6	0.7535	0.0000	5,797.075 2
Maximum	10.5323	69.1689	45.8616	0.1620	18.2442	0.8232	18.7184	9.9779	0.8156	10.4520	0.0000	16,770.37 29	16,770.37 29	2.5356	0.0000	16,833.76 25

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	12.57	20.70	-9.02	0.00	0.00	60.63	9.58	0.00	57.95	15.01	0.00	0.00	0.00	0.00	0.00	0.00

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.3953	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379	0.0000	12.3419	12.3419	0.0119	0.0000	12.6401
Energy	0.0411	0.3584	0.2049	2.2400e-003		0.0284	0.0284		0.0284	0.0284		447.8591	447.8591	8.5800e-003	8.2100e-003	450.5205
Mobile	1.8744	7.0819	19.1218	0.0566	5.1194	0.0566	5.1760	1.3676	0.0531	1.4207		5,707.6178	5,707.6178	0.2233		5,713.2001
Total	9.3108	7.5195	26.1874	0.0592	5.1194	0.1229	5.2423	1.3676	0.1194	1.4870	0.0000	6,167.8188	6,167.8188	0.2438	8.2100e-003	6,176.3607

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	7.3953	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379	0.0000	12.3419	12.3419	0.0119	0.0000	12.6401
Energy	0.0344	0.3000	0.1696	1.8800e-003		0.0238	0.0238		0.0238	0.0238		375.2649	375.2649	7.1900e-003	6.8800e-003	377.4949
Mobile	1.8744	7.0819	19.1218	0.0566	5.1194	0.0566	5.1760	1.3676	0.0531	1.4207		5,707.6178	5,707.6178	0.2233		5,713.2001
Total	9.3041	7.4611	26.1521	0.0588	5.1194	0.1183	5.2377	1.3676	0.1148	1.4824	0.0000	6,095.2246	6,095.2246	0.2424	6.8800e-003	6,103.3351

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.07	0.78	0.13	0.61	0.00	3.74	0.09	0.00	3.85	0.31	0.00	1.18	1.18	0.57	16.20	1.18

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2020	1/14/2020	5	10	
2	Grading	Grading	1/15/2020	2/25/2020	5	30	
3	Building Construction	Building Construction	2/26/2020	4/20/2021	5	300	
4	Architectural Coating	Architectural Coating	10/21/2020	5/18/2021	5	150	
5	Paving	Paving	4/21/2021	5/18/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 2.4

Residential Indoor: 168,075; Residential Outdoor: 56,025; Non-Residential Indoor: 251,418; Non-Residential Outdoor: 83,806; Striped Parking Area: 6,273 (Architectural Coating – sqft)

OffRoad Equipment

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	3,720.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	169.00	53.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	34.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Clean Paved Roads

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.2 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0770	0.0642	0.6389	1.6700e-003	0.1780	1.1400e-003	0.1791	0.0472	1.0500e-003	0.0483		166.2997	166.2997	5.4200e-003		166.4352
Total	0.0770	0.0642	0.6389	1.6700e-003	0.1780	1.1400e-003	0.1791	0.0472	1.0500e-003	0.0483		166.2997	166.2997	5.4200e-003		166.4352

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9312	19.0656	22.9600	0.0380		0.4731	0.4731		0.4731	0.4731	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	0.9312	19.0656	22.9600	0.0380	18.0663	0.4731	18.5393	9.9307	0.4731	10.4038	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.2 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0770	0.0642	0.6389	1.6700e-003	0.1780	1.1400e-003	0.1791	0.0472	1.0500e-003	0.0483		166.2997	166.2997	5.4200e-003		166.4352
Total	0.0770	0.0642	0.6389	1.6700e-003	0.1780	1.1400e-003	0.1791	0.0472	1.0500e-003	0.0483		166.2997	166.2997	5.4200e-003		166.4352

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8559	0.0000	8.8559	3.6242	0.0000	3.6242			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	8.8559	2.1739	11.0298	3.6242	2.0000	5.6241		6,005.8653	6,005.8653	1.9424		6,054.4257

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.3 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0639	39.1193	8.4291	0.0981	2.1637	0.1722	2.3359	0.5927	0.1647	0.7575		10,579.7302	10,579.7302	0.5871		10,594.4088
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0855	0.0714	0.7099	1.8600e-003	0.1977	1.2600e-003	0.1990	0.0524	1.1700e-003	0.0536		184.7775	184.7775	6.0200e-003		184.9280
Total	1.1495	39.1907	9.1390	0.1000	2.3614	0.1735	2.5348	0.6452	0.1659	0.8111		10,764.5076	10,764.5076	0.5932		10,779.3368

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8559	0.0000	8.8559	3.6242	0.0000	3.6242			0.0000			0.0000
Off-Road	1.5231	29.9782	36.7226	0.0620		0.6497	0.6497		0.6497	0.6497	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	1.5231	29.9782	36.7226	0.0620	8.8559	0.6497	9.5056	3.6242	0.6497	4.2739	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.3 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0639	39.1193	8.4291	0.0981	2.1637	0.1722	2.3359	0.5927	0.1647	0.7575		10,579.7302	10,579.7302	0.5871		10,594.4088
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0855	0.0714	0.7099	1.8600e-003	0.1977	1.2600e-003	0.1990	0.0524	1.1700e-003	0.0536		184.7775	184.7775	6.0200e-003		184.9280
Total	1.1495	39.1907	9.1390	0.1000	2.3614	0.1735	2.5348	0.6452	0.1659	0.8111		10,764.5076	10,764.5076	0.5932		10,779.3368

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1922	5.4698	1.5675	0.0107	0.2460	0.0297	0.2757	0.0709	0.0284	0.0993		1,138.4488	1,138.4488	0.0655		1,140.0854
Worker	0.7228	0.6030	5.9989	0.0157	1.6708	0.0107	1.6814	0.4431	9.8600e-003	0.4530		1,561.3695	1,561.3695	0.0509		1,562.6419
Total	0.9150	6.0728	7.5664	0.0264	1.9168	0.0404	1.9572	0.5140	0.0383	0.5522		2,699.8183	2,699.8183	0.1164		2,702.7273

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1922	5.4698	1.5675	0.0107	0.2460	0.0297	0.2757	0.0709	0.0284	0.0993		1,138.4488	1,138.4488	0.0655		1,140.0854
Worker	0.7228	0.6030	5.9989	0.0157	1.6708	0.0107	1.6814	0.4431	9.8600e-003	0.4530		1,561.3695	1,561.3695	0.0509		1,562.6419
Total	0.9150	6.0728	7.5664	0.0264	1.9168	0.0404	1.9572	0.5140	0.0383	0.5522		2,699.8183	2,699.8183	0.1164		2,702.7273

3.4 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

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.4 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	0.1571	5.0096	1.3823	0.0106	0.2461	0.0141	0.2601	0.0709	0.0134	0.0843		1,131.8490	1,131.8490	0.0638		1,133.4434
Worker	0.6732	0.5393	5.4477	0.0151	1.6708	0.0104	1.6811	0.4431	9.5400e-003	0.4527		1,508.1598	1,508.1598	0.0453		1,509.2921
Total	0.8303	5.5489	6.8300	0.0258	1.9168	0.0244	1.9412	0.5140	0.0230	0.5370		2,640.0088	2,640.0088	0.1091		2,642.7354

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.4 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	0.1571	5.0096	1.3823	0.0106	0.2461	0.0141	0.2601	0.0709	0.0134	0.0843		1,131.8490	1,131.8490	0.0638		1,133.4434
Worker	0.6732	0.5393	5.4477	0.0151	1.6708	0.0104	1.6811	0.4431	9.5400e-003	0.4527		1,508.1598	1,508.1598	0.0453		1,509.2921
Total	0.8303	5.5489	6.8300	0.0258	1.9168	0.0244	1.9412	0.5140	0.0230	0.5370		2,640.0088	2,640.0088	0.1091		2,642.7354

3.5 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7385					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	8.9807	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.5 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1454	0.1213	1.2069	3.1500e-003	0.3361	2.1500e-003	0.3383	0.0892	1.9800e-003	0.0911		314.1217	314.1217	0.0102		314.3777
Total	0.1454	0.1213	1.2069	3.1500e-003	0.3361	2.1500e-003	0.3383	0.0892	1.9800e-003	0.0911		314.1217	314.1217	0.0102		314.3777

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.7385					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0218		281.9928
Total	8.7979	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0218		281.9928

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.5 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1454	0.1213	1.2069	3.1500e-003	0.3361	2.1500e-003	0.3383	0.0892	1.9800e-003	0.0911		314.1217	314.1217	0.0102		314.3777
Total	0.1454	0.1213	1.2069	3.1500e-003	0.3361	2.1500e-003	0.3383	0.0892	1.9800e-003	0.0911		314.1217	314.1217	0.0102		314.3777

3.5 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7385					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	8.9574	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.5 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1354	0.1085	1.0960	3.0500e-003	0.3361	2.0800e-003	0.3382	0.0892	1.9200e-003	0.0911		303.4168	303.4168	9.1100e-003		303.6446
Total	0.1354	0.1085	1.0960	3.0500e-003	0.3361	2.0800e-003	0.3382	0.0892	1.9200e-003	0.0911		303.4168	303.4168	9.1100e-003		303.6446

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.7385					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0193		281.9309
Total	8.7979	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0193		281.9309

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.5 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.1354	0.1085	1.0960	3.0500e-003	0.3361	2.0800e-003	0.3382	0.0892	1.9200e-003	0.0911		303.4168	303.4168	9.1100e-003			303.6446
Total	0.1354	0.1085	1.0960	3.0500e-003	0.3361	2.0800e-003	0.3382	0.0892	1.9200e-003	0.0911		303.4168	303.4168	9.1100e-003			303.6446

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139			2,225.0573
Paving	0.3144					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.5700	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139			2,225.0573

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0598	0.0479	0.4835	1.3400e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		133.8603	133.8603	4.0200e-003		133.9608
Total	0.0598	0.0479	0.4835	1.3400e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		133.8603	133.8603	4.0200e-003		133.9608

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.3047	0.3047		0.3047	0.3047	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3144					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8753	11.2952	17.2957	0.0228		0.3047	0.3047		0.3047	0.3047	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0598	0.0479	0.4835	1.3400e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		133.8603	133.8603	4.0200e-003		133.9608
Total	0.0598	0.0479	0.4835	1.3400e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		133.8603	133.8603	4.0200e-003		133.9608

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.8744	7.0819	19.1218	0.0566	5.1194	0.0566	5.1760	1.3676	0.0531	1.4207		5,707.6178	5,707.6178	0.2233		5,713.2001
Unmitigated	1.8744	7.0819	19.1218	0.0566	5.1194	0.0566	5.1760	1.3676	0.0531	1.4207		5,707.6178	5,707.6178	0.2233		5,713.2001

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	422.47	439.07	382.63	1,065,294	1,065,294
City Park	119.99	61.43	45.20	205,134	205,134
General Office Building	300.00	67.00	28.50	518,513	518,513
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	221.75	259.50	131.00	309,253	309,253
Total	1,064.21	827.00	587.33	2,098,193	2,098,193

4.3 Trip Type Information

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
City Park	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Apartments Mid Rise	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Regional Shopping Center	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install Energy Efficient Appliances

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0344	0.3000	0.1696	1.8800e-003		0.0238	0.0238		0.0238	0.0238		375.2649	375.2649	7.1900e-003	6.8800e-003	377.4949
NaturalGas Unmitigated	0.0411	0.3584	0.2049	2.2400e-003		0.0284	0.0284		0.0284	0.0284		447.8591	447.8591	8.5800e-003	8.2100e-003	450.5205

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 Mid Rise	2517.08	0.0271	0.2320	0.0987	1.4800e-003		0.0188	0.0188		0.0188	0.0188		296.1266	296.1266	5.6800e-003	5.4300e-003	297.8863
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1126.71	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
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
Regional Shopping Center	163.014	1.7600e-003	0.0160	0.0134	1.0000e-004		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		19.1781	19.1781	3.7000e-004	3.5000e-004	19.2921
Total		0.0411	0.3584	0.2049	2.2400e-003		0.0284	0.0284		0.0284	0.0284		447.8591	447.8591	8.5900e-003	8.2100e-003	450.5205

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	2.15715	0.0233	0.1988	0.0846	1.2700e-003		0.0161	0.0161		0.0161	0.0161		253.7822	253.7822	4.8600e-003	4.6500e-003	255.2903
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.902192	9.7300e-003	0.0885	0.0743	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.1402	106.1402	2.0300e-003	1.9500e-003	106.7710
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
Regional Shopping Center	0.130411	1.4100e-003	0.0128	0.0107	8.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004		15.3425	15.3425	2.9000e-004	2.8000e-004	15.4336
Total		0.0344	0.3000	0.1696	1.8800e-003		0.0238	0.0238		0.0238	0.0238		375.2649	375.2649	7.1800e-003	6.8800e-003	377.4949

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

No Hearths Installed

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.3953	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379	0.0000	12.3419	12.3419	0.0119	0.0000	12.6401
Unmitigated	7.3953	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379	0.0000	12.3419	12.3419	0.0119	0.0000	12.6401

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	1.7876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.4001					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	0.2076	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379		12.3419	12.3419	0.0119		12.6401
Total	7.3953	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379	0.0000	12.3419	12.3419	0.0119	0.0000	12.6401

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.7876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.4001					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	0.2076	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379		12.3419	12.3419	0.0119		12.6401
Total	7.3953	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379	0.0000	12.3419	12.3419	0.0119	0.0000	12.6401

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summer

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

Mitigated - San Luis Ranch Project - 2020 Start
San Luis Obispo County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	1.30	25,000.00	0
Parking Lot	0.60	Acre	0.60	26,136.00	0
Parking Lot	1.80	Acre	1.80	78,408.00	0
City Park	2.70	Acre	2.70	117,612.00	0
Apartments Mid Rise	83.00	Dwelling Unit	4.00	83,000.00	237
Regional Shopping Center	25.00	1000sqft	0.57	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 3, 5, and 6. Ag SF from Sect 3.9 of Specific Plan.

Construction Phase - No demolition. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Grading - Total import proportionally distributed by phase acreage.

Architectural Coating - Per MM AQ-2

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Woodstoves - Per MM AQ-3

Construction Off-road Equipment Mitigation - Per MM AQ-2

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Area Mitigation - Per MM AQ-3

Energy Mitigation - Per Specific Plan, appliances will be energy efficient. Per MM AQ-3

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	150.00
tblGrading	MaterialImported	0.00	29,760.00
tblLandUse	BuildingSpaceSquareFeet	0.00	117,612.00
tblLandUse	GreenSpaceSquareFeet	117,612.00	0.00
tblLandUse	LotAcreage	0.57	1.30
tblLandUse	LotAcreage	2.18	4.00
tblProjectCharacteristics	OperationalYear	2018	2022
tblVehicleTrips	ST_TR	6.39	5.29
tblVehicleTrips	ST_TR	2.46	2.68
tblVehicleTrips	ST_TR	49.97	10.38
tblVehicleTrips	SU_TR	5.86	4.61
tblVehicleTrips	SU_TR	1.05	1.14
tblVehicleTrips	SU_TR	25.24	5.24
tblVehicleTrips	WD_TR	6.65	5.09
tblVehicleTrips	WD_TR	1.89	44.44
tblVehicleTrips	WD_TR	11.03	12.00
tblVehicleTrips	WD_TR	42.70	8.87
tblWoodstoves	WoodstoveDayYear	60.00	0.00

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

tblWoodstoves	WoodstoveWoodMass	2,016.00	0.00
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2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	12.2935	89.6709	41.6029	0.1605	18.2442	2.3512	20.4428	9.9779	2.1696	12.0006	0.0000	16,606.3251	16,606.3251	2.5542	0.0000	16,670.1797
2021	11.9492	24.6708	26.3071	0.0575	2.2530	1.0800	3.3330	0.6031	1.0211	1.6242	0.0000	5,658.6770	5,658.6770	0.7561	0.0000	5,677.5796
Maximum	12.2935	89.6709	41.6029	0.1605	18.2442	2.3512	20.4428	9.9779	2.1696	12.0006	0.0000	16,606.3251	16,606.3251	2.5542	0.0000	16,670.1797

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	10.6648	69.4515	46.3673	0.1605	18.2442	0.8270	18.7184	9.9779	0.8193	10.4520	0.0000	16,606.3251	16,606.3251	2.5542	0.0000	16,670.1797
2021	10.5627	21.2949	27.6205	0.0575	2.2530	0.5266	2.7796	0.6031	0.5250	1.1282	0.0000	5,658.6770	5,658.6770	0.7561	0.0000	5,677.5796
Maximum	10.6648	69.4515	46.3673	0.1605	18.2442	0.8270	18.7184	9.9779	0.8193	10.4520	0.0000	16,606.3251	16,606.3251	2.5542	0.0000	16,670.1797

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	12.44	20.64	-8.95	0.00	0.00	60.55	9.58	0.00	57.87	15.01	0.00	0.00	0.00	0.00	0.00	0.00

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.3953	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379	0.0000	12.3419	12.3419	0.0119	0.0000	12.6401
Energy	0.0411	0.3584	0.2049	2.2400e-003		0.0284	0.0284		0.0284	0.0284		447.8591	447.8591	8.5800e-003	8.2100e-003	450.5205
Mobile	1.8112	7.3238	19.6773	0.0543	5.1194	0.0572	5.1766	1.3676	0.0537	1.4213		5,481.0705	5,481.0705	0.2273		5,486.7521
Total	9.2475	7.7613	26.7429	0.0569	5.1194	0.1235	5.2429	1.3676	0.1200	1.4876	0.0000	5,941.2715	5,941.2715	0.2478	8.2100e-003	5,949.9127

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	7.3953	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379	0.0000	12.3419	12.3419	0.0119	0.0000	12.6401
Energy	0.0344	0.3000	0.1696	1.8800e-003		0.0238	0.0238		0.0238	0.0238		375.2649	375.2649	7.1900e-003	6.8800e-003	377.4949
Mobile	1.8112	7.3238	19.6773	0.0543	5.1194	0.0572	5.1766	1.3676	0.0537	1.4213		5,481.0705	5,481.0705	0.2273		5,486.7521
Total	9.2409	7.7029	26.7076	0.0566	5.1194	0.1189	5.2383	1.3676	0.1154	1.4830	0.0000	5,868.6773	5,868.6773	0.2464	6.8800e-003	5,876.8871

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.07	0.75	0.13	0.63	0.00	3.72	0.09	0.00	3.83	0.31	0.00	1.22	1.22	0.56	16.20	1.23

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2020	1/14/2020	5	10	
2	Grading	Grading	1/15/2020	2/25/2020	5	30	
3	Building Construction	Building Construction	2/26/2020	4/20/2021	5	300	
4	Architectural Coating	Architectural Coating	10/21/2020	5/18/2021	5	150	
5	Paving	Paving	4/21/2021	5/18/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 2.4

Residential Indoor: 168,075; Residential Outdoor: 56,025; Non-Residential Indoor: 251,418; Non-Residential Outdoor: 83,806; Striped Parking Area: 6,273 (Architectural Coating – sqft)

OffRoad Equipment

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	3,720.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	169.00	53.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	34.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Clean Paved Roads

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.2 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0878	0.0729	0.6216	1.5900e-003	0.1780	1.1400e-003	0.1791	0.0472	1.0500e-003	0.0483		158.5129	158.5129	5.2400e-003		158.6439
Total	0.0878	0.0729	0.6216	1.5900e-003	0.1780	1.1400e-003	0.1791	0.0472	1.0500e-003	0.0483		158.5129	158.5129	5.2400e-003		158.6439

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9312	19.0656	22.9600	0.0380		0.4731	0.4731		0.4731	0.4731	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	0.9312	19.0656	22.9600	0.0380	18.0663	0.4731	18.5393	9.9307	0.4731	10.4038	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.2 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0878	0.0729	0.6216	1.5900e-003	0.1780	1.1400e-003	0.1791	0.0472	1.0500e-003	0.0483		158.5129	158.5129	5.2400e-003		158.6439
Total	0.0878	0.0729	0.6216	1.5900e-003	0.1780	1.1400e-003	0.1791	0.0472	1.0500e-003	0.0483		158.5129	158.5129	5.2400e-003		158.6439

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8559	0.0000	8.8559	3.6242	0.0000	3.6242			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	8.8559	2.1739	11.0298	3.6242	2.0000	5.6241		6,005.8653	6,005.8653	1.9424		6,054.4257

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.3 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0932	39.3924	8.9540	0.0967	2.1637	0.1760	2.3397	0.5927	0.1684	0.7611		10,424.3344	10,424.3344	0.6059		10,439.4830
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0975	0.0810	0.6907	1.7700e-003	0.1977	1.2600e-003	0.1990	0.0524	1.1700e-003	0.0536		176.1254	176.1254	5.8200e-003		176.2710
Total	1.1907	39.4733	9.6447	0.0985	2.3614	0.1773	2.5387	0.6452	0.1696	0.8147		10,600.4599	10,600.4599	0.6118		10,615.7540

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8559	0.0000	8.8559	3.6242	0.0000	3.6242			0.0000			0.0000
Off-Road	1.5231	29.9782	36.7226	0.0620		0.6497	0.6497		0.6497	0.6497	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	1.5231	29.9782	36.7226	0.0620	8.8559	0.6497	9.5056	3.6242	0.6497	4.2739	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.3 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0932	39.3924	8.9540	0.0967	2.1637	0.1760	2.3397	0.5927	0.1684	0.7611		10,424.3344	10,424.3344	0.6059		10,439.4830
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0975	0.0810	0.6907	1.7700e-003	0.1977	1.2600e-003	0.1990	0.0524	1.1700e-003	0.0536		176.1254	176.1254	5.8200e-003		176.2710
Total	1.1907	39.4733	9.6447	0.0985	2.3614	0.1773	2.5387	0.6452	0.1696	0.8147		10,600.4599	10,600.4599	0.6118		10,615.7540

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2033	5.4426	1.7650	0.0104	0.2460	0.0306	0.2766	0.0709	0.0293	0.1002		1,104.0464	1,104.0464	0.0700		1,105.7963
Worker	0.8240	0.6844	5.8363	0.0150	1.6708	0.0107	1.6814	0.4431	9.8600e-003	0.4530		1,488.2599	1,488.2599	0.0492		1,489.4902
Total	1.0272	6.1270	7.6013	0.0253	1.9168	0.0413	1.9581	0.5140	0.0392	0.5531		2,592.3063	2,592.3063	0.1192		2,595.2865

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.2033	5.4426	1.7650	0.0104	0.2460	0.0306	0.2766	0.0709	0.0293	0.1002		1,104.0464	1,104.0464	0.0700			1,105.7963
Worker	0.8240	0.6844	5.8363	0.0150	1.6708	0.0107	1.6814	0.4431	9.8600e-003	0.4530		1,488.2599	1,488.2599	0.0492			1,489.4902
Total	1.0272	6.1270	7.6013	0.0253	1.9168	0.0413	1.9581	0.5140	0.0392	0.5531		2,592.3063	2,592.3063	0.1192			2,595.2865

3.4 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

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.4 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	0.1673	4.9769	1.5652	0.0103	0.2461	0.0149	0.2610	0.0709	0.0142	0.0851		1,097.1189	1,097.1189	0.0683		1,098.8262
Worker	0.7689	0.6119	5.2858	0.0144	1.6708	0.0104	1.6811	0.4431	9.5400e-003	0.4527		1,437.5375	1,437.5375	0.0437		1,438.6297
Total	0.9362	5.5888	6.8509	0.0247	1.9168	0.0252	1.9421	0.5140	0.0238	0.5378		2,534.6563	2,534.6563	0.1120		2,537.4559

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.6739	14.2261	17.8738	0.0269		0.4518	0.4518		0.4518	0.4518	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.4 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	0.1673	4.9769	1.5652	0.0103	0.2461	0.0149	0.2610	0.0709	0.0142	0.0851		1,097.1189	1,097.1189	0.0683		1,098.8262
Worker	0.7689	0.6119	5.2858	0.0144	1.6708	0.0104	1.6811	0.4431	9.5400e-003	0.4527		1,437.5375	1,437.5375	0.0437		1,438.6297
Total	0.9362	5.5888	6.8509	0.0247	1.9168	0.0252	1.9421	0.5140	0.0238	0.5378		2,534.6563	2,534.6563	0.1120		2,537.4559

3.5 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7385					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	8.9807	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

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3.5 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1658	0.1377	1.1742	3.0100e-003	0.3361	2.1500e-003	0.3383	0.0892	1.9800e-003	0.0911		299.4132	299.4132	9.9000e-003		299.6608
Total	0.1658	0.1377	1.1742	3.0100e-003	0.3361	2.1500e-003	0.3383	0.0892	1.9800e-003	0.0911		299.4132	299.4132	9.9000e-003		299.6608

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.7385					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0218		281.9928
Total	8.7979	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0218		281.9928

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.5 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1658	0.1377	1.1742	3.0100e-003	0.3361	2.1500e-003	0.3383	0.0892	1.9800e-003	0.0911		299.4132	299.4132	9.9000e-003		299.6608
Total	0.1658	0.1377	1.1742	3.0100e-003	0.3361	2.1500e-003	0.3383	0.0892	1.9800e-003	0.0911		299.4132	299.4132	9.9000e-003		299.6608

3.5 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7385					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	8.9574	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

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3.5 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1547	0.1231	1.0634	2.9000e-003	0.3361	2.0800e-003	0.3382	0.0892	1.9200e-003	0.0911		289.2087	289.2087	8.7900e-003		289.4285
Total	0.1547	0.1231	1.0634	2.9000e-003	0.3361	2.0800e-003	0.3382	0.0892	1.9200e-003	0.0911		289.2087	289.2087	8.7900e-003		289.4285

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.7385					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0193		281.9309
Total	8.7979	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0193		281.9309

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.5 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1547	0.1231	1.0634	2.9000e-003	0.3361	2.0800e-003	0.3382	0.0892	1.9200e-003	0.0911		289.2087	289.2087	8.7900e-003		289.4285
Total	0.1547	0.1231	1.0634	2.9000e-003	0.3361	2.0800e-003	0.3382	0.0892	1.9200e-003	0.0911		289.2087	289.2087	8.7900e-003		289.4285

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3144					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5700	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0683	0.0543	0.4692	1.2800e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		127.5921	127.5921	3.8800e-003		127.6890
Total	0.0683	0.0543	0.4692	1.2800e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		127.5921	127.5921	3.8800e-003		127.6890

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.3047	0.3047		0.3047	0.3047	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.3144					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8753	11.2952	17.2957	0.0228		0.3047	0.3047		0.3047	0.3047	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0683	0.0543	0.4692	1.2800e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		127.5921	127.5921	3.8800e-003		127.6890
Total	0.0683	0.0543	0.4692	1.2800e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		127.5921	127.5921	3.8800e-003		127.6890

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.8112	7.3238	19.6773	0.0543	5.1194	0.0572	5.1766	1.3676	0.0537	1.4213		5,481.0705	5,481.0705	0.2273		5,486.7521
Unmitigated	1.8112	7.3238	19.6773	0.0543	5.1194	0.0572	5.1766	1.3676	0.0537	1.4213		5,481.0705	5,481.0705	0.2273		5,486.7521

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	422.47	439.07	382.63	1,065,294	1,065,294
City Park	119.99	61.43	45.20	205,134	205,134
General Office Building	300.00	67.00	28.50	518,513	518,513
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	221.75	259.50	131.00	309,253	309,253
Total	1,064.21	827.00	587.33	2,098,193	2,098,193

4.3 Trip Type Information

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Parking Lot	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
City Park	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Apartments Mid Rise	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422
Regional Shopping Center	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install Energy Efficient Appliances

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0344	0.3000	0.1696	1.8800e-003		0.0238	0.0238		0.0238	0.0238		375.2649	375.2649	7.1900e-003	6.8800e-003	377.4949
NaturalGas Unmitigated	0.0411	0.3584	0.2049	2.2400e-003		0.0284	0.0284		0.0284	0.0284		447.8591	447.8591	8.5800e-003	8.2100e-003	450.5205

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 Mid Rise	2517.08	0.0271	0.2320	0.0987	1.4800e-003		0.0188	0.0188		0.0188	0.0188		296.1266	296.1266	5.6800e-003	5.4300e-003	297.8863
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1126.71	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
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
Regional Shopping Center	163.014	1.7600e-003	0.0160	0.0134	1.0000e-004		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		19.1781	19.1781	3.7000e-004	3.5000e-004	19.2921
Total		0.0411	0.3584	0.2049	2.2400e-003		0.0284	0.0284		0.0284	0.0284		447.8591	447.8591	8.5900e-003	8.2100e-003	450.5205

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	2.15715	0.0233	0.1988	0.0846	1.2700e-003		0.0161	0.0161		0.0161	0.0161		253.7822	253.7822	4.8600e-003	4.6500e-003	255.2903
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.902192	9.7300e-003	0.0885	0.0743	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.1402	106.1402	2.0300e-003	1.9500e-003	106.7710
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
Regional Shopping Center	0.130411	1.4100e-003	0.0128	0.0107	8.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004		15.3425	15.3425	2.9000e-004	2.8000e-004	15.4336
Total		0.0344	0.3000	0.1696	1.8800e-003		0.0238	0.0238		0.0238	0.0238		375.2649	375.2649	7.1800e-003	6.8800e-003	377.4949

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

No Hearths Installed

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.3953	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379	0.0000	12.3419	12.3419	0.0119	0.0000	12.6401
Unmitigated	7.3953	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379	0.0000	12.3419	12.3419	0.0119	0.0000	12.6401

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	1.7876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.4001					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	0.2076	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379		12.3419	12.3419	0.0119		12.6401
Total	7.3953	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379	0.0000	12.3419	12.3419	0.0119	0.0000	12.6401

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.7876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.4001					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	0.2076	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379		12.3419	12.3419	0.0119		12.6401
Total	7.3953	0.0791	6.8606	3.6000e-004		0.0379	0.0379		0.0379	0.0379	0.0000	12.3419	12.3419	0.0119	0.0000	12.6401

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Winter

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summary Report

Mitigated - San Luis Ranch Project - 2020 Start
San Luis Obispo County APCD, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	1.30	25,000.00	0
Parking Lot	0.60	Acre	0.60	26,136.00	0
Parking Lot	1.80	Acre	1.80	78,408.00	0
City Park	2.70	Acre	2.70	117,612.00	0
Apartments Mid Rise	83.00	Dwelling Unit	4.00	83,000.00	237
Regional Shopping Center	25.00	1000sqft	0.57	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Mitigated - San Luis Ranch Project - 2020 Start - San Luis Obispo County APCD Air District, Summary Report

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phases 3, 5, and 6. Ag SF from Sect 3.9 of Specific Plan.

Construction Phase - No demolition. AC expected to overlap with half of building construction as painting would occur as buildings are finished.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Grading - Total import proportionally distributed by phase acreage.

Architectural Coating - Per MM AQ-2

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Woodstoves - Per MM AQ-3

Construction Off-road Equipment Mitigation - Per MM AQ-2

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Area Mitigation - Per MM AQ-3

Energy Mitigation - Per Specific Plan, appliances will be energy efficient. Per MM AQ-3

Water Mitigation -

2.0 Peak Daily Emissions

Peak Daily Construction Emissions

Peak Daily Construction Emissions

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Annual

Mitigated - San Luis Ranch Project - 2021 Start
San Luis Obispo County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	1.30	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Annual

tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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tblConstructionPhase	NumDays	200.00	100.00
tblConstructionPhase	NumDays	10.00	5.00
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Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Annual

tblProjectCharacteristics	OperationalYear	2018	2022
tblVehicleTrips	ST_TR	2.46	2.68
tblVehicleTrips	SU_TR	1.05	1.14
tblVehicleTrips	WD_TR	11.03	12.00

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2021	3-31-2021	0.5111	0.4234
2	4-1-2021	6-30-2021	0.3677	0.3142
		Highest	0.5111	0.4234

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	0.1267	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.2000e-004	8.2000e-004	0.0000	0.0000	8.7000e-004
Energy	2.2200e-003	0.0202	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	154.4560	154.4560	6.4100e-003	1.6400e-003	155.1057
Mobile	0.0668	0.2810	0.7406	2.1300e-003	0.1947	2.2000e-003	0.1969	0.0521	2.0700e-003	0.0542	0.0000	195.0057	195.0057	7.8300e-003	0.0000	195.2014
Waste						0.0000	0.0000		0.0000	0.0000	4.7195	0.0000	4.7195	0.2789	0.0000	11.6925
Water						0.0000	0.0000		0.0000	0.0000	1.4097	9.7672	11.1769	0.1452	3.5100e-003	15.8536
Total	0.1957	0.3012	0.7580	2.2500e-003	0.1947	3.7300e-003	0.1985	0.0521	3.6000e-003	0.0557	6.1292	359.2298	365.3590	0.4384	5.1500e-003	377.8540

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1267	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.2000e-004	8.2000e-004	0.0000	0.0000	8.7000e-004
Energy	1.7800e-003	0.0161	0.0136	1.0000e-004		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	140.7737	140.7737	5.9100e-003	1.4700e-003	141.3609
Mobile	0.0668	0.2810	0.7406	2.1300e-003	0.1947	2.2000e-003	0.1969	0.0521	2.0700e-003	0.0542	0.0000	195.0057	195.0057	7.8300e-003	0.0000	195.2014
Waste						0.0000	0.0000		0.0000	0.0000	4.7195	0.0000	4.7195	0.2789	0.0000	11.6925
Water						0.0000	0.0000		0.0000	0.0000	1.4097	9.7672	11.1769	0.1452	3.5100e-003	15.8536
Total	0.1952	0.2971	0.7546	2.2300e-003	0.1947	3.4300e-003	0.1982	0.0521	3.3000e-003	0.0554	6.1292	345.5475	351.6767	0.4379	4.9800e-003	364.1092

	ROG	NOx	CO	SO2	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	0.22	1.33	0.44	0.89	0.00	8.04	0.15	0.00	8.33	0.54	0.00	3.81	3.74	0.11	3.30	3.64

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2021	5/20/2021	5	100	
2	Paving	Paving	5/21/2021	5/27/2021	5	5	
3	Architectural Coating	Architectural Coating	5/28/2021	6/3/2021	5	5	

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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 37,500; Non-Residential Outdoor: 12,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Paving Equipment	1	8.00	132	0.36
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	8.00	4.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Clean Paved Roads

3.2 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	0.0906	0.6818	0.6450	1.1000e-003		0.0342	0.0342		0.0330	0.0330	0.0000	90.7738	90.7738	0.0162	0.0000	91.1790
Total	0.0906	0.6818	0.6450	1.1000e-003		0.0342	0.0342		0.0330	0.0330	0.0000	90.7738	90.7738	0.0162	0.0000	91.1790

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3.2 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	6.1000e-004	0.0190	5.5800e-003	4.0000e-005	9.1000e-004	5.0000e-005	9.6000e-004	2.6000e-004	5.0000e-005	3.1000e-004	0.0000	3.8247	3.8247	2.3000e-004	0.0000	3.8303
Worker	1.6300e-003	1.4200e-003	0.0125	3.0000e-005	3.8500e-003	2.0000e-005	3.8800e-003	1.0200e-003	2.0000e-005	1.0500e-003	0.0000	3.1118	3.1118	9.0000e-005	0.0000	3.1142
Total	2.2400e-003	0.0205	0.0181	7.0000e-005	4.7600e-003	7.0000e-005	4.8400e-003	1.2800e-003	7.0000e-005	1.3600e-003	0.0000	6.9365	6.9365	3.2000e-004	0.0000	6.9445

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0320	0.6038	0.6739	1.1000e-003		0.0183	0.0183		0.0183	0.0183	0.0000	90.7737	90.7737	0.0162	0.0000	91.1788
Total	0.0320	0.6038	0.6739	1.1000e-003		0.0183	0.0183		0.0183	0.0183	0.0000	90.7737	90.7737	0.0162	0.0000	91.1788

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3.2 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	6.1000e-004	0.0190	5.5800e-003	4.0000e-005	9.1000e-004	5.0000e-005	9.6000e-004	2.6000e-004	5.0000e-005	3.1000e-004	0.0000	3.8247	3.8247	2.3000e-004	0.0000	3.8303
Worker	1.6300e-003	1.4200e-003	0.0125	3.0000e-005	3.8500e-003	2.0000e-005	3.8800e-003	1.0200e-003	2.0000e-005	1.0500e-003	0.0000	3.1118	3.1118	9.0000e-005	0.0000	3.1142
Total	2.2400e-003	0.0205	0.0181	7.0000e-005	4.7600e-003	7.0000e-005	4.8400e-003	1.2800e-003	7.0000e-005	1.3600e-003	0.0000	6.9365	6.9365	3.2000e-004	0.0000	6.9445

3.3 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9300e-003	0.0194	0.0221	3.0000e-005		1.0400e-003	1.0400e-003		9.6000e-004	9.6000e-004	0.0000	2.9412	2.9412	9.3000e-004	0.0000	2.9646
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.9300e-003	0.0194	0.0221	3.0000e-005		1.0400e-003	1.0400e-003		9.6000e-004	9.6000e-004	0.0000	2.9412	2.9412	9.3000e-004	0.0000	2.9646

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3.3 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.3000e-004	1.2000e-004	1.0100e-003	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2528	0.2528	1.0000e-005	0.0000	0.2530
Total	1.3000e-004	1.2000e-004	1.0100e-003	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2528	0.2528	1.0000e-005	0.0000	0.2530

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.0000e-004	0.0166	0.0246	3.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	2.9412	2.9412	9.3000e-004	0.0000	2.9646
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.0000e-004	0.0166	0.0246	3.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	2.9412	2.9412	9.3000e-004	0.0000	2.9646

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3.3 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.3000e-004	1.2000e-004	1.0100e-003	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2528	0.2528	1.0000e-005	0.0000	0.2530
Total	1.3000e-004	1.2000e-004	1.0100e-003	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2528	0.2528	1.0000e-005	0.0000	0.2530

3.4 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0579					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5000e-004	3.8200e-003	4.5400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	0.0585	3.8200e-003	4.5400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

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3.4 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	2.0000e-005	1.6000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0389	0.0389	0.0000	0.0000	0.0389
Total	2.0000e-005	2.0000e-005	1.6000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0389	0.0389	0.0000	0.0000	0.0389

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0579					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5000e-004	3.3900e-003	4.5800e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	0.0581	3.3900e-003	4.5800e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

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3.4 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	2.0000e-005	1.6000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0389	0.0389	0.0000	0.0000	0.0389
Total	2.0000e-005	2.0000e-005	1.6000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0389	0.0389	0.0000	0.0000	0.0389

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0668	0.2810	0.7406	2.1300e-003	0.1947	2.2000e-003	0.1969	0.0521	2.0700e-003	0.0542	0.0000	195.0057	195.0057	7.8300e-003	0.0000	195.2014
Unmitigated	0.0668	0.2810	0.7406	2.1300e-003	0.1947	2.2000e-003	0.1969	0.0521	2.0700e-003	0.0542	0.0000	195.0057	195.0057	7.8300e-003	0.0000	195.2014

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	300.00	67.00	28.50	518,513	518,513
Total	300.00	67.00	28.50	518,513	518,513

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
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422

5.0 Energy Detail

Historical Energy Use: N

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5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	123.2010	123.2010	5.5700e-003	1.1500e-003	123.6837
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	132.5102	132.5102	5.9900e-003	1.2400e-003	133.0294
NaturalGas Mitigated	1.7800e-003	0.0161	0.0136	1.0000e-004		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	17.5727	17.5727	3.4000e-004	3.2000e-004	17.6771
NaturalGas Unmitigated	2.2200e-003	0.0202	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.9459	21.9459	4.2000e-004	4.0000e-004	22.0763

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	411250	2.2200e-003	0.0202	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.9459	21.9459	4.2000e-004	4.0000e-004	22.0763
Total		2.2200e-003	0.0202	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.9459	21.9459	4.2000e-004	4.0000e-004	22.0763

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					
General Office Building	329300	1.7800e-003	0.0161	0.0136	1.0000e-004		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	17.5727	17.5727	3.4000e-004	3.2000e-004	17.6771
Total		1.7800e-003	0.0161	0.0136	1.0000e-004		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	17.5727	17.5727	3.4000e-004	3.2000e-004	17.6771

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	455500	132.5102	5.9900e-003	1.2400e-003	133.0294
Total		132.5102	5.9900e-003	1.2400e-003	133.0294

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	423500	123.2010	5.5700e-003	1.1500e-003	123.6837
Total		123.2010	5.5700e-003	1.1500e-003	123.6837

6.0 Area Detail

6.1 Mitigation Measures Area

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, 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	0.1267	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.2000e-004	8.2000e-004	0.0000	0.0000	8.7000e-004
Unmitigated	0.1267	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.2000e-004	8.2000e-004	0.0000	0.0000	8.7000e-004

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	0.0290					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0976					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.2000e-004	8.2000e-004	0.0000	0.0000	8.7000e-004
Total	0.1267	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.2000e-004	8.2000e-004	0.0000	0.0000	8.7000e-004

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, 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	0.0290					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0976					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.2000e-004	8.2000e-004	0.0000	0.0000	8.7000e-004
Total	0.1267	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.2000e-004	8.2000e-004	0.0000	0.0000	8.7000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	11.1769	0.1452	3.5100e-003	15.8536
Unmitigated	11.1769	0.1452	3.5100e-003	15.8536

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	4.44334 / 2.72334	11.1769	0.1452	3.5100e-003	15.8536
Total		11.1769	0.1452	3.5100e-003	15.8536

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	4.44334 / 2.72334	11.1769	0.1452	3.5100e-003	15.8536
Total		11.1769	0.1452	3.5100e-003	15.8536

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4.7195	0.2789	0.0000	11.6925
Unmitigated	4.7195	0.2789	0.0000	11.6925

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	23.25	4.7195	0.2789	0.0000	11.6925
Total		4.7195	0.2789	0.0000	11.6925

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	23.25	4.7195	0.2789	0.0000	11.6925
Total		4.7195	0.2789	0.0000	11.6925

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

Mitigated - San Luis Ranch Project - 2021 Start
San Luis Obispo County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	1.30	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	200.00	100.00
tblConstructionPhase	NumDays	10.00	5.00
tblLandUse	LotAcreage	0.57	1.30

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

tblProjectCharacteristics	OperationalYear	2018	2022
tblVehicleTrips	ST_TR	2.46	2.68
tblVehicleTrips	SU_TR	1.05	1.14
tblVehicleTrips	WD_TR	11.03	12.00

2.0 Emissions Summary

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6940	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Energy	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
Mobile	0.5107	1.9597	5.3285	0.0159	1.4456	0.0159	1.4614	0.3862	0.0149	0.4011		1,606.1862	1,606.1862	0.0623		1,607.7424
Total	1.2168	2.0702	5.4238	0.0166	1.4456	0.0243	1.4699	0.3862	0.0233	0.4095		1,738.7460	1,738.7460	0.0648	2.4300e-003	1,741.0904

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	0.6940	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Energy	9.7300e-003	0.0885	0.0743	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.1402	106.1402	2.0300e-003	1.9500e-003	106.7710
Mobile	0.5107	1.9597	5.3285	0.0159	1.4456	0.0159	1.4614	0.3862	0.0149	0.4011		1,606.1862	1,606.1862	0.0623		1,607.7424
Total	1.2144	2.0482	5.4053	0.0165	1.4456	0.0226	1.4682	0.3862	0.0216	0.4078		1,712.3318	1,712.3318	0.0643	1.9500e-003	1,714.5192

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.20	1.06	0.34	0.78	0.00	6.92	0.11	0.00	7.21	0.41	0.00	1.52	1.52	0.79	19.75	1.53

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2021	5/20/2021	5	100	
2	Paving	Paving	5/21/2021	5/27/2021	5	5	
3	Architectural Coating	Architectural Coating	5/28/2021	6/3/2021	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 37,500; Non-Residential Outdoor: 12,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Paving Equipment	1	8.00	132	0.36
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	8.00	4.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Clean Paved Roads

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

3.2 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	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	0.3781	0.1043	8.0000e-004	0.0186	1.0600e-003	0.0196	5.3500e-003	1.0100e-003	6.3600e-003		85.4226	85.4226	4.8100e-003		85.5429
Worker	0.0319	0.0255	0.2579	7.2000e-004	0.0791	4.9000e-004	0.0796	0.0210	4.5000e-004	0.0214		71.3922	71.3922	2.1400e-003		71.4458
Total	0.0437	0.4036	0.3622	1.5200e-003	0.0977	1.5500e-003	0.0992	0.0263	1.4600e-003	0.0278		156.8148	156.8148	6.9500e-003		156.9887

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

3.2 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6407	12.0767	13.4786	0.0221		0.3658	0.3658		0.3658	0.3658	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517
Total	0.6407	12.0767	13.4786	0.0221		0.3658	0.3658		0.3658	0.3658	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	0.3781	0.1043	8.0000e-004	0.0186	1.0600e-003	0.0196	5.3500e-003	1.0100e-003	6.3600e-003		85.4226	85.4226	4.8100e-003		85.5429
Worker	0.0319	0.0255	0.2579	7.2000e-004	0.0791	4.9000e-004	0.0796	0.0210	4.5000e-004	0.0214		71.3922	71.3922	2.1400e-003		71.4458
Total	0.0437	0.4036	0.3622	1.5200e-003	0.0977	1.5500e-003	0.0992	0.0263	1.4600e-003	0.0278		156.8148	156.8148	6.9500e-003		156.9887

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

3.3 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830		1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830		1,296.8664	1,296.8664	0.4111		1,307.1442

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0518	0.0415	0.4191	1.1600e-003	0.1285	8.0000e-004	0.1293	0.0341	7.3000e-004	0.0348		116.0123	116.0123	3.4800e-003		116.0994
Total	0.0518	0.0415	0.4191	1.1600e-003	0.1285	8.0000e-004	0.1293	0.0341	7.3000e-004	0.0348		116.0123	116.0123	3.4800e-003		116.0994

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

3.3 Paving - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3195	6.6399	9.8512	0.0135		0.1932	0.1932		0.1932	0.1932	0.0000	1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3195	6.6399	9.8512	0.0135		0.1932	0.1932		0.1932	0.1932	0.0000	1,296.8664	1,296.8664	0.4111		1,307.1442

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0518	0.0415	0.4191	1.1600e-003	0.1285	8.0000e-004	0.1293	0.0341	7.3000e-004	0.0348		116.0123	116.0123	3.4800e-003		116.0994
Total	0.0518	0.0415	0.4191	1.1600e-003	0.1285	8.0000e-004	0.1293	0.0341	7.3000e-004	0.0348		116.0123	116.0123	3.4800e-003		116.0994

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

3.4 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	23.1750					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	23.3939	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.9700e-003	6.3800e-003	0.0645	1.8000e-004	0.0198	1.2000e-004	0.0199	5.2400e-003	1.1000e-004	5.3600e-003		17.8480	17.8480	5.4000e-004		17.8614
Total	7.9700e-003	6.3800e-003	0.0645	1.8000e-004	0.0198	1.2000e-004	0.0199	5.2400e-003	1.1000e-004	5.3600e-003		17.8480	17.8480	5.4000e-004		17.8614

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

3.4 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	23.1750					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0193		281.9309
Total	23.2344	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0193		281.9309

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.9700e-003	6.3800e-003	0.0645	1.8000e-004	0.0198	1.2000e-004	0.0199	5.2400e-003	1.1000e-004	5.3600e-003		17.8480	17.8480	5.4000e-004		17.8614
Total	7.9700e-003	6.3800e-003	0.0645	1.8000e-004	0.0198	1.2000e-004	0.0199	5.2400e-003	1.1000e-004	5.3600e-003		17.8480	17.8480	5.4000e-004		17.8614

4.0 Operational Detail - Mobile

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5107	1.9597	5.3285	0.0159	1.4456	0.0159	1.4614	0.3862	0.0149	0.4011		1,606.186 2	1,606.186 2	0.0623		1,607.742 4
Unmitigated	0.5107	1.9597	5.3285	0.0159	1.4456	0.0159	1.4614	0.3862	0.0149	0.4011		1,606.186 2	1,606.186 2	0.0623		1,607.742 4

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	300.00	67.00	28.50	518,513	518,513
Total	300.00	67.00	28.50	518,513	518,513

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
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	9.7300e-003	0.0885	0.0743	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.1402	106.1402	2.0300e-003	1.9500e-003	106.7710
NaturalGas Unmitigated	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1126.71	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
Total		0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421

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					
General Office Building	0.902192	9.7300e-003	0.0885	0.0743	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.1402	106.1402	2.0300e-003	1.9500e-003	106.7710
Total		9.7300e-003	0.0885	0.0743	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.1402	106.1402	2.0300e-003	1.9500e-003	106.7710

6.0 Area Detail

6.1 Mitigation Measures Area

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6940	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Unmitigated	0.6940	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003

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	0.1587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5350					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4000e-004	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Total	0.6940	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5350					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4000e-004	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Total	0.6940	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summer

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

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

Equipment Type	Number
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11.0 Vegetation

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

Mitigated - San Luis Ranch Project - 2021 Start
San Luis Obispo County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	1.30	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	DPF	No Change	Level 2
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	200.00	100.00
tblConstructionPhase	NumDays	10.00	5.00
tblLandUse	LotAcreage	0.57	1.30

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

tblProjectCharacteristics	OperationalYear	2018	2022
tblVehicleTrips	ST_TR	2.46	2.68
tblVehicleTrips	SU_TR	1.05	1.14
tblVehicleTrips	WD_TR	11.03	12.00

2.0 Emissions Summary

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6940	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Energy	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
Mobile	0.4937	2.0281	5.4653	0.0153	1.4456	0.0161	1.4616	0.3862	0.0151	0.4012		1,542.6266	1,542.6266	0.0632		1,544.2076
Total	1.1998	2.1385	5.5607	0.0160	1.4456	0.0245	1.4700	0.3862	0.0235	0.4096		1,675.1864	1,675.1864	0.0658	2.4300e-003	1,677.5555

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	0.6940	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Energy	9.7300e-003	0.0885	0.0743	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.1402	106.1402	2.0300e-003	1.9500e-003	106.7710
Mobile	0.4937	2.0281	5.4653	0.0153	1.4456	0.0161	1.4616	0.3862	0.0151	0.4012		1,542.6266	1,542.6266	0.0632		1,544.2076
Total	1.1974	2.1165	5.5422	0.0158	1.4456	0.0228	1.4683	0.3862	0.0218	0.4080		1,648.7722	1,648.7722	0.0653	1.9500e-003	1,650.9843

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.20	1.03	0.33	0.82	0.00	6.87	0.11	0.00	7.16	0.41	0.00	1.58	1.58	0.78	19.75	1.58

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2021	5/20/2021	5	100	
2	Paving	Paving	5/21/2021	5/27/2021	5	5	
3	Architectural Coating	Architectural Coating	5/28/2021	6/3/2021	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 37,500; Non-Residential Outdoor: 12,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Paving Equipment	1	8.00	132	0.36
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	8.00	4.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Clean Paved Roads

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

3.2 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	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517
Total	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0126	0.3756	0.1181	7.8000e-004	0.0186	1.1200e-003	0.0197	5.3500e-003	1.0700e-003	6.4200e-003		82.8014	82.8014	5.1500e-003		82.9303
Worker	0.0364	0.0290	0.2502	6.8000e-004	0.0791	4.9000e-004	0.0796	0.0210	4.5000e-004	0.0214		68.0491	68.0491	2.0700e-003		68.1008
Total	0.0490	0.4046	0.3683	1.4600e-003	0.0977	1.6100e-003	0.0993	0.0263	1.5200e-003	0.0279		150.8505	150.8505	7.2200e-003		151.0311

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

3.2 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6407	12.0767	13.4786	0.0221		0.3658	0.3658		0.3658	0.3658	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517
Total	0.6407	12.0767	13.4786	0.0221		0.3658	0.3658		0.3658	0.3658	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0126	0.3756	0.1181	7.8000e-004	0.0186	1.1200e-003	0.0197	5.3500e-003	1.0700e-003	6.4200e-003		82.8014	82.8014	5.1500e-003		82.9303
Worker	0.0364	0.0290	0.2502	6.8000e-004	0.0791	4.9000e-004	0.0796	0.0210	4.5000e-004	0.0214		68.0491	68.0491	2.0700e-003		68.1008
Total	0.0490	0.4046	0.3683	1.4600e-003	0.0977	1.6100e-003	0.0993	0.0263	1.5200e-003	0.0279		150.8505	150.8505	7.2200e-003		151.0311

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

3.3 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830		1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830		1,296.8664	1,296.8664	0.4111		1,307.1442

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0592	0.0471	0.4066	1.1100e-003	0.1285	8.0000e-004	0.1293	0.0341	7.3000e-004	0.0348		110.5798	110.5798	3.3600e-003		110.6638
Total	0.0592	0.0471	0.4066	1.1100e-003	0.1285	8.0000e-004	0.1293	0.0341	7.3000e-004	0.0348		110.5798	110.5798	3.3600e-003		110.6638

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

3.3 Paving - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3195	6.6399	9.8512	0.0135		0.1932	0.1932		0.1932	0.1932	0.0000	1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3195	6.6399	9.8512	0.0135		0.1932	0.1932		0.1932	0.1932	0.0000	1,296.8664	1,296.8664	0.4111		1,307.1442

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0592	0.0471	0.4066	1.1100e-003	0.1285	8.0000e-004	0.1293	0.0341	7.3000e-004	0.0348		110.5798	110.5798	3.3600e-003		110.6638
Total	0.0592	0.0471	0.4066	1.1100e-003	0.1285	8.0000e-004	0.1293	0.0341	7.3000e-004	0.0348		110.5798	110.5798	3.3600e-003		110.6638

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

3.4 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	23.1750					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	23.3939	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.1000e-003	7.2400e-003	0.0626	1.7000e-004	0.0198	1.2000e-004	0.0199	5.2400e-003	1.1000e-004	5.3600e-003		17.0123	17.0123	5.2000e-004		17.0252
Total	9.1000e-003	7.2400e-003	0.0626	1.7000e-004	0.0198	1.2000e-004	0.0199	5.2400e-003	1.1000e-004	5.3600e-003		17.0123	17.0123	5.2000e-004		17.0252

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

3.4 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	23.1750					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0193		281.9309
Total	23.2344	1.3570	1.8324	2.9700e-003		0.0475	0.0475		0.0475	0.0475	0.0000	281.4481	281.4481	0.0193		281.9309

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.1000e-003	7.2400e-003	0.0626	1.7000e-004	0.0198	1.2000e-004	0.0199	5.2400e-003	1.1000e-004	5.3600e-003		17.0123	17.0123	5.2000e-004		17.0252
Total	9.1000e-003	7.2400e-003	0.0626	1.7000e-004	0.0198	1.2000e-004	0.0199	5.2400e-003	1.1000e-004	5.3600e-003		17.0123	17.0123	5.2000e-004		17.0252

4.0 Operational Detail - Mobile

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4937	2.0281	5.4653	0.0153	1.4456	0.0161	1.4616	0.3862	0.0151	0.4012		1,542.6266	1,542.6266	0.0632		1,544.2076
Unmitigated	0.4937	2.0281	5.4653	0.0153	1.4456	0.0161	1.4616	0.3862	0.0151	0.4012		1,542.6266	1,542.6266	0.0632		1,544.2076

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	300.00	67.00	28.50	518,513	518,513
Total	300.00	67.00	28.50	518,513	518,513

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
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.575581	0.029595	0.198288	0.120539	0.026172	0.006482	0.012911	0.019591	0.002354	0.001214	0.005068	0.000784	0.001422

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	9.7300e-003	0.0885	0.0743	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.1402	106.1402	2.0300e-003	1.9500e-003	106.7710
NaturalGas Unmitigated	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1126.71	0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421
Total		0.0122	0.1105	0.0928	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.5544	132.5544	2.5400e-003	2.4300e-003	133.3421

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					
General Office Building	0.902192	9.7300e-003	0.0885	0.0743	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.1402	106.1402	2.0300e-003	1.9500e-003	106.7710
Total		9.7300e-003	0.0885	0.0743	5.3000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003		106.1402	106.1402	2.0300e-003	1.9500e-003	106.7710

6.0 Area Detail

6.1 Mitigation Measures Area

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6940	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Unmitigated	0.6940	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003

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	0.1587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5350					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4000e-004	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Total	0.6940	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5350					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4000e-004	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003
Total	0.6940	2.0000e-005	2.5600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.8300e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Winter

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

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

Equipment Type	Number
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11.0 Vegetation

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summary Report

Mitigated - San Luis Ranch Project - 2021 Start
San Luis Obispo County APCD, Summary Report

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	25.00	1000sqft	1.30	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summary Report

Project Characteristics -

Land Use - Land use values from buildout and phasing in Specific Plan Section 7.7. Includes portions of Phase 5.

Construction Phase - Demolition, site prep and grading would be completed 2018-2020 for Phase 5.

Off-road Equipment -

Demolition - Building sf estimated using Google Earth

Grading - Soil import completed in 2020

Architectural Coating - Per MM AQ-2

Vehicle Trips - Trip generation rate based on Omni-Means 2016 Traffic Impact Study.

Construction Off-road Equipment Mitigation - Per MM AQ-2

Mobile Land Use Mitigation - Trip reductions from project's density, diversity, and access to alternative transportation accounted for in trip generation rates.

Energy Mitigation - Per MM AQ-3

Water Mitigation -

2.0 Peak Daily Emissions

Peak Daily Construction Emissions

Peak Daily Construction Emissions

Mitigated - San Luis Ranch Project - 2021 Start - San Luis Obispo County APCD Air District, Summary Report

Year	Phase	Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
		lb/day											
2021	Building Construction	1.8615 W	14.0406 W	13.2677 W	0.0236 S	0.7836 W	0.6887 W	0.6898 W	12.4813 W	13.8469 W	0.0236 S	0.4650 W	0.3936 W
2021	Paving	0.8330 W	7.7893 W	9.2759 S	0.0147 S	0.5446 S	0.4178 S	0.3787 W	6.6869 W	10.2702 S	0.0147 S	0.3225 S	0.2280 S
2021	Architectural Coating	23.4030 W	1.5341 W	1.8820 S	3.1500e-003 S	0.1140 S	0.0995 S	23.2435 W	1.3642 W	1.8969 S	3.1500e-003 S	0.0674 S	0.0529 S
	Peak Daily Total	23.4030 W	14.0406 W	13.2677 W	0.0236 S	0.7836 W	0.6887 W	23.2435 W	12.4813 W	13.8469 W	0.0236 S	0.4650 W	0.3936 W
	Air District Threshold												
	Exceed Significance?												

Peak Daily Operational Emissions

Peak Daily Operational Emissions

	Operational Activity	Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
		lb/day											
On-Site	Area	0.6940 S	2.0000e-005 S	2.5600e-003 S	0.0000 S	1.0000e-005 S	1.0000e-005 S	0.6940 S	2.0000e-005 S	2.5600e-003 S	0.0000 S	1.0000e-005 S	1.0000e-005 S
On-Site	Energy	0.0122 S	0.1105 S	0.0928 S	6.6000e-004 S	8.4000e-003 S	8.4000e-003 S	9.7300e-003 S	0.0885 S	0.0743 S	5.3000e-004 S	6.7200e-003 S	6.7200e-003 S
Off-Site	Mobile	0.5107 S	2.0281 W	5.4653 W	0.0159 S	1.4616 W	0.4012 W	0.5107 S	2.0281 W	5.4653 W	0.0159 S	1.4616 W	0.4012 W
	Peak Daily Total	1.2168 S	2.1385 W	5.5607 W	0.0166 S	1.4700 W	0.4096 W	1.2144 S	2.1165 W	5.5422 W	0.0165 S	1.4683 W	0.4080 W
	Air District Threshold												
	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

Greenhouse Gas Emission Worksheet
N2O Mobile Emissions

San Luis Ranch Project - Mitigated

From CalEEMod Vehicle Fleet Mix Output:

Annual VMT: 13,081,557

Vehicle Type	Percent Type	CH4 Emission Factor (g/mile)*	CH4 Emission (g/mile)**	N2O Emission Factor (g/mile)*	N2O Emission (g/mile)**
Light Auto	55.0%	0.04	0.022	0.04	0.022
Light Truck < 3750 lbs	3.4%	0.05	0.0017	0.06	0.00204
Light Truck 3751-5750 lbs	19.9%	0.05	0.00995	0.06	0.01194
Med Truck 5751-8500 lbs	13.2%	0.12	0.01584	0.2	0.0264
Lite-Heavy Truck 8501-10,000 lbs	3.3%	0.12	0.00396	0.2	0.0066
Lite-Heavy Truck 10,001-14,000 lbs	0.8%	0.09	0.00072	0.125	0.001
Med-Heavy Truck 14,001-33,000 lbs	1.3%	0.06	0.00078	0.05	0.00065
Heavy-Heavy Truck 33,001-60,000 lbs	1.9%	0.06	0.00114	0.05	0.00095
Other Bus	0.2%	0.06	0.00012	0.05	0.0001
Urban Bus	0.1%	0.06	0.000066	0.05	0.000055
Motorcycle	0.6%	0.09	0.00054	0.01	0.00006
School Bus	0.1%	0.06	0.000048	0.05	0.00004
Motor Home	0.2%	0.09	0.000162	0.125	0.000225
Total	100.0%		0.057026		0.07206

Total Emissions (metric tons) =
Emission Factor by Vehicle Mix (g/mi) x Annual VMT(mi) x 0.000001 metric tons/g

Conversion to Carbon Dioxide Equivalency (CO2e) Units based on Global Warming Potential (GWP)****
 CH4 21 GWP
 N2O 310 GWP
 1 ton (short, US) = 0.90718474 metric ton

Annual Mobile Emissions:

	Total Emissions	Total CO2e units
N2O Emissions:	0.9427 metric tons N2O	292.22 metric tons CO2e
Project Total:	292.22 metric tons CO2e	

References

* from Table C.4: Methane and Nitrous Oxide Emission Factors for Mobile Sources by Vehicle and Fuel Type (g/mile).
 in California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009.
 Assume Model year 2000-present, gasoline fueled.
 ** Source: California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009.
 *** From CalEEMod results for mobile sources
 ****GWPs are based on the 2007 IPCC's Fourth Assessment Report (AR4), and are consistent with 2014 CARB's Scoping Plan Update