

APPENDIX F
Energy Technical Report

DRAFT

**Energy Resources Technical Report for the
SDSU New Student Housing Project**

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SUMMARY OF FINDINGS

The San Diego State University (SDSU) New Student Housing project (proposed project) would include the expansion of on-campus student housing facilities to be located adjacent to the existing Chapultepec Hall. Specifically, the proposed project would consist of the development of facilities to accommodate up to 2,566 student housing beds in a series of residential towers to be located on the existing Parking Lot 9 (formerly “U” Parking Lot) and centered around the existing Chapultepec Hall. The proposed project would be developed in three successive phases, and the analyses conducted by SDSU will address, where applicable, the environmental impacts that could arise in each phase. In particular, the first phase would include construction of up to 850 beds on the existing Parking Lot 9, east of the existing Chapultepec Hall; the second phase would include construction of 850 beds to the west of the existing Chapultepec Hall; and the third phase would include construction of 866 beds in buildings that cantilever over the canyon behind Chapultepec Hall.

The energy analysis provides an evaluation of the potential for significant adverse impacts to the use of energy due to construction and operation of the project. Construction of the proposed facilities would result in a temporary use of electricity and petroleum due to the use of construction equipment, worker vehicles, vendor trucks, and hauling trucks. The analysis concludes that the construction energy use would result in a **less-than-significant** impact.

Operational energy impacts were also evaluated and were based on energy use from the buildings, resident vehicle use, and employee vehicle use. The operational energy impacts were also found to be minor compared to the regional use, and impacts would be **less than significant**.

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1 INTRODUCTION

1.1 Regional and Local Setting

The campus is situated along Interstate 8 (I-8) about 8 to 10 miles from downtown San Diego (see Figure 1, Regional Map, and Figure 2, Vicinity Map). The proposed project would be located on a 7.84-acre site at the northwest corner of the main San Diego State University (SDSU) campus (see Figure 3, Project Area Map). The campus is part of the College Area Community in the City of San Diego.

The proposed project would be developed west of the SDSU academic buildings and north of the campus athletic fields. The site is defined by Remington Road to the south, 55th Street to the east, and private properties to the north and west. The land on which the proposed project would be developed is owned by SDSU and is located within the existing campus boundary.

The SDSU campus, of which the project site is a part, is located within the College Area Community Planning Area within the City of San Diego. The College Area Community Planning Area consists of approximately 1,950 acres, most of which is developed with single-family residential uses. The SDSU campus can be accessed from the north by College Avenue, which also provides local access to I-8. The campus can be accessed from the south by Montezuma Road, an east–west roadway near the southern boundary of the campus. Montezuma Road also connects with I-8 via Fairmont Avenue to the west and El Cajon Boulevard to the east.

1.2 Project Description

The proposed project would include the expansion of on-campus student housing facilities to be located adjacent to the existing Chapultepec Hall. Specifically, the proposed project would consist of the development of facilities to accommodate up to 2,566 student housing beds in a series of residential towers to be located on the existing Parking Lot 9 (formerly “U” Parking Lot) and centered around the existing Chapultepec Hall. The proposed project would be developed in three successive phases, and the analyses conducted by SDSU will address, where applicable, the environmental impacts that could arise in each phase. In particular, Phase I would include construction of up to 850 beds on the existing Parking Lot 9, east of the existing Chapultepec Hall; Phase II would include construction of 850 beds to the west of the existing Chapultepec Hall; and Phase III would include construction of 866 beds in buildings that cantilever over the canyon behind Chapultepec Hall. The proposed project, which is the subject of the Carrier Johnson-prepared Feasibility Study (dated December 20, 2013), would consist of up to eight new buildings. One building would serve as a dining hall (2 stories), while the remainder of the buildings would consist of up to 4- to 14-story buildings of single-, double-, and

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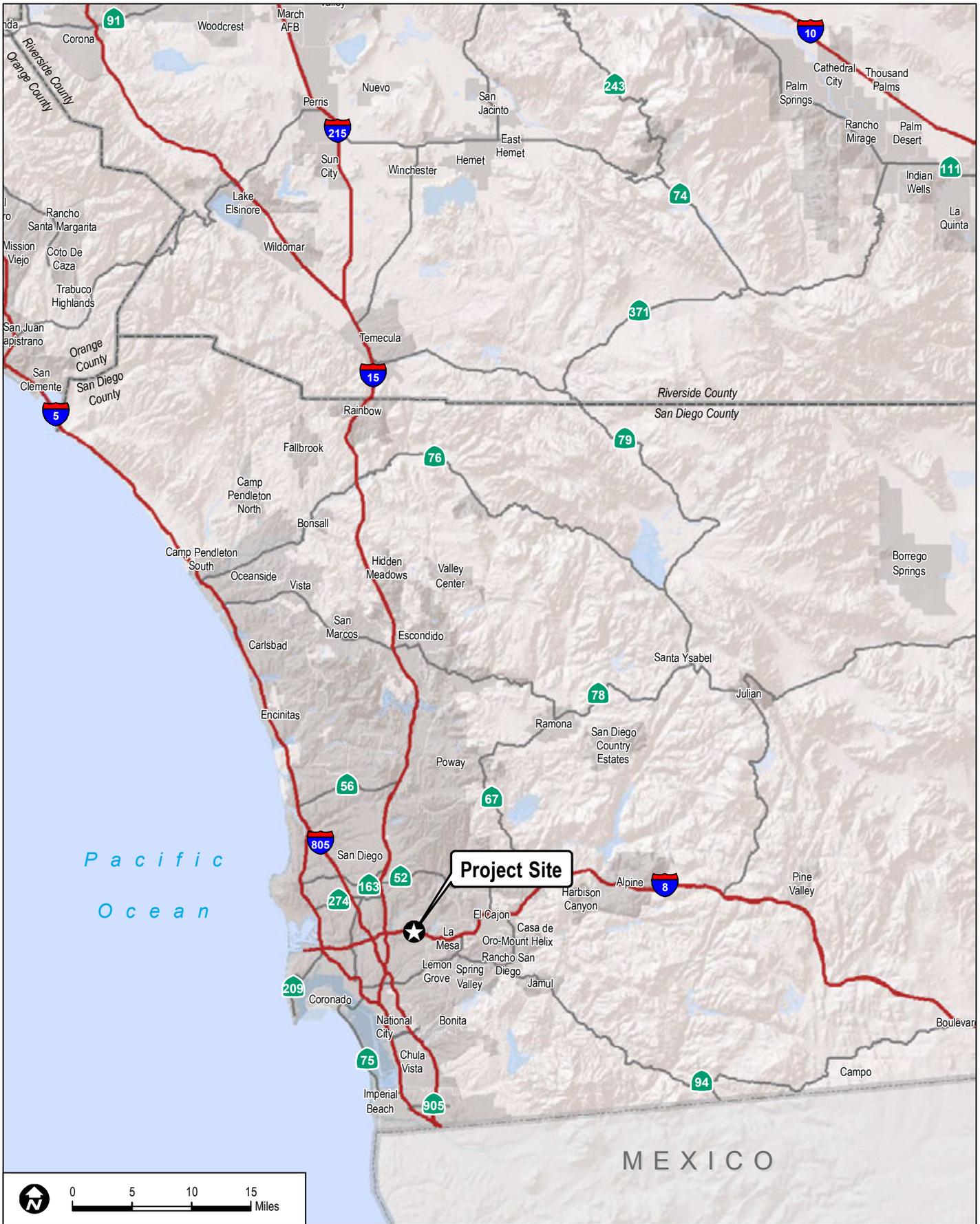
triple-occupancy student housing units. The complex may include a swimming pool, outdoor gathering spaces, and green space. The proposed project would entail permanent removal of the existing Parking Lot 9; these parking spaces would not be replaced.

The 7.84-acre proposed project site is largely undeveloped. At the southwestern edge of the project site, the small Parking Lot 10A (formerly “T” Parking Lot) borders Remington Road. Chapultepec Hall, a residence hall supporting 545 beds, is situated in the approximate middle of the site. Parking Lot 9 extends east from Chapultepec Hall and terminates at 55th Street. There is a small retail structure located between Remington Road and the southern side of Chapultepec Hall.

1.3 Methodology

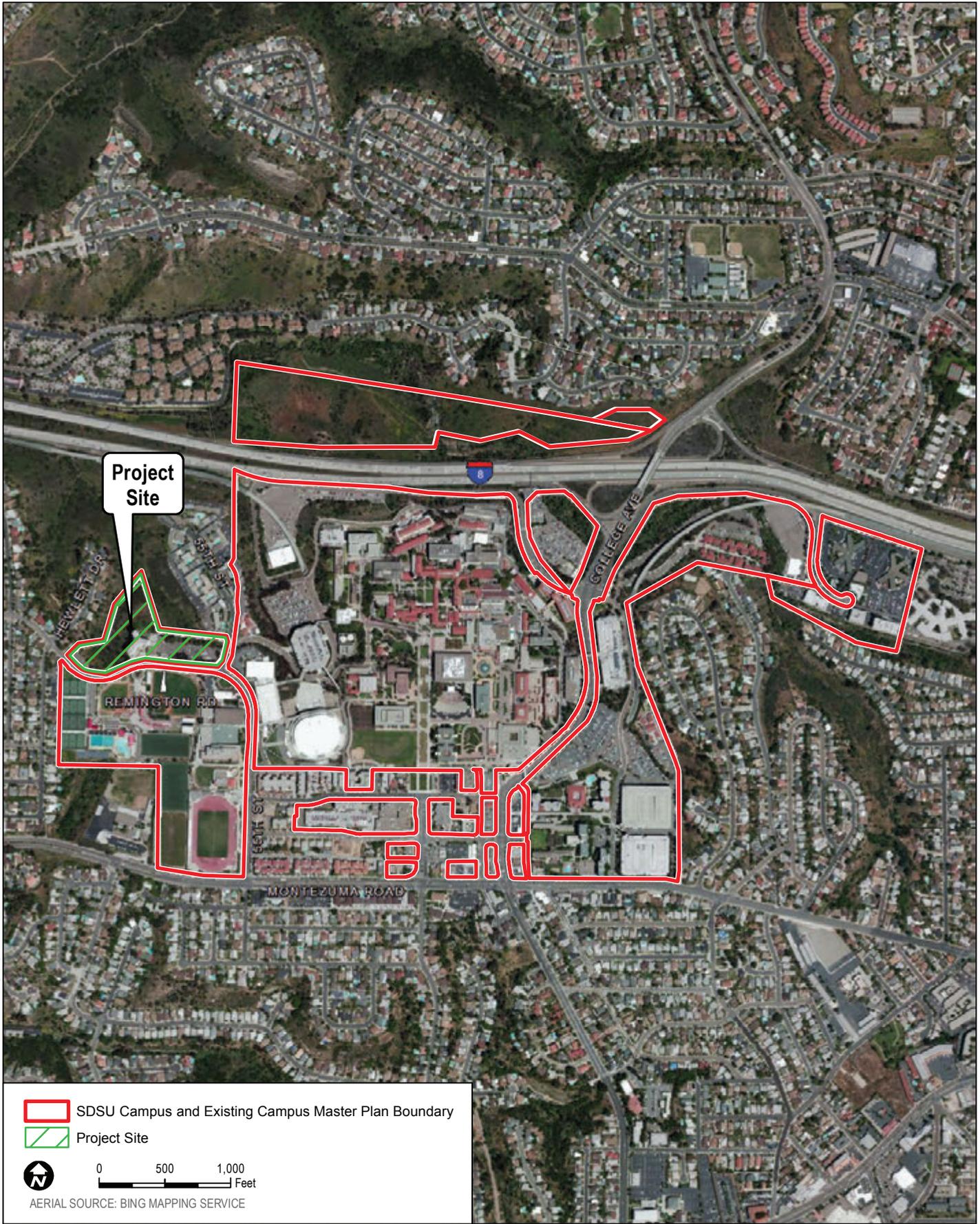
Information contained in this section is based on data gathered from SDSU; default assumptions within the California Emissions Estimator Model (CalEEMod), Version 2016.3.1 (CAPCOA 2016); and best engineering judgment. Detailed calculation methodology is provided in Section 4, Impact Analysis. Other sources consulted are listed in Section 7, References Cited.

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2 EXISTING CONDITIONS

This section describes the existing conditions in the project area and identifies the resources that could be affected by the proposed project.

2.1 Environmental Setting

In 2013, California's estimated annual energy use included:

- Approximately 280,617 gigawatt hours of electricity (CEC 2014);
- Approximately 12,767 million therms natural gas (approximately 3.5 billion cubic feet of natural gas per day); and
- Approximately 18 billion gallons of gasoline (CEC 2013).

Electricity

According to the California Energy Commission's (CEC) California Energy Demand Updated Forecast 2015–2025, California used approximately 280,617 gigawatts per hour (2,806 trillion kilowatt-hours (kWh)) of electricity in 2013 (CEC 2014), which is the most recent year of data available. Electricity usage in California for different land uses varies substantially by the types of uses in a building, type of construction materials used in a building, and the efficiency of all electricity-consuming devices within a building. Due to the state's energy efficiency standards and efficiency and conservation programs, California's per-capita use has remained stable for more than 30 years, while the national average has steadily increased.

San Diego Gas & Electric (SDG&E) provides electric services to 3.6 million customers through 1.4 million electric meters and 873,000 natural gas meters throughout a 4,100-square-mile service area in San Diego County and southern Orange County (SDG&E 2016). SDG&E is a subsidiary of Sempra Energy and will provide electricity to the project site. According to the California Public Utilities Commission (CPUC), SDG&E consumed approximately 16.467 billion kWh of electricity in total in 2014 (CPUC 2016).

SDG&E receives electric power from a variety of sources. According to the CPUC's 2016 Biennial Renewables Portfolio Standard (RPS) Program Update, 36.4% of SDG&E's power came from eligible renewables in 2014, including biomass/waste, geothermal, small hydroelectric, solar, and wind sources (CPUC 2016). This is an improvement from the 15.7% that SDG&E maintained in 2011.

Based on recent energy supply and demand projections in California, statewide annual peak demand is projected to grow an average of 890 megawatts per year for the next decade, or 1.4%

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annually, while per-capita consumption is expected to remain relatively constant at 7,200–7,800 kWh per person (CEC 2015a).

In the County of San Diego (County), the CEC reported an annual electrical consumption of approximately 19.9 billion kWh in total, with 13.1 billion kWh for nonresidential use and 6.8 billion kWh for residential use in 2014 (CEC 2016a).

Natural Gas

CPUC regulates natural gas utility service for approximately 10.8 million customers that receive natural gas from Pacific Gas and Electric (PG&E), Southern California Gas (SoCalGas), SDG&E, Southwest Gas, and several smaller natural gas utilities. CPUC also regulates independent storage operators Lodi Gas Storage, Wild Goose Storage, Central Valley Storage, and Gill Ranch Storage (CPUC 2017). SDG&E provides natural gas service to the City of San Diego.

The vast majority of California’s natural gas customers are residential and small commercial customers, referred to as “core” customers, who accounted for approximately 32% of the natural gas delivered by California utilities in 2012. Large consumers, such as electric generators and industrial customers, referred to as “noncore” customers, accounted for approximately 68% of the natural gas delivered by California utilities in 2012 (CPUC 2017).

CPUC regulates the California utilities’ natural gas rates and natural gas services, including in-state transportation over the utilities’ transmission and distribution pipeline systems, storage, procurement, metering, and billing. Most of the natural gas used in California comes from out-of-state natural gas basins. However, California gas utilities may soon also begin receiving biogas into their pipeline systems.

In 2012, California customers received 35% of their natural gas supply from basins located in the Southwest, 16% from Canada, 40% from the Rocky Mountains, and 9% from basins located within California (CPUC 2017).

Natural gas from out-of-state production basins is delivered into California via the interstate natural gas pipeline system. The major interstate pipelines that deliver out-of-state natural gas to California consumers are the Gas Transmission Northwest Pipeline, Kern River Pipeline, Transwestern Pipeline, El Paso Pipeline, the Ruby Pipeline, Questar Southern Trails, and Mojave Pipeline. Another pipeline, the North Baja–Baja Norte Pipeline, takes gas off the El Paso Pipeline at the California/Arizona border, and delivers that gas through California into Mexico. While the Federal Energy Regulatory Commission regulates the transportation of natural gas on the interstate pipelines, CPUC often participates in Federal Energy Regulatory

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Commission regulatory proceedings to represent the interests of California natural gas consumers (CPUC 2017).

Most of the natural gas transported via the interstate pipelines, as well as some of the California-produced natural gas, is delivered into the PG&E and SoCalGas intrastate natural gas transmission pipeline systems (commonly referred to as California’s “backbone” natural gas pipeline system). Natural gas on the utilities’ backbone pipeline systems is then delivered into the local transmission and distribution pipeline systems, or to natural gas storage fields. Some large noncore customers take natural gas directly off the high-pressure backbone pipeline systems, while core customers and other noncore customers take natural gas off the utilities’ distribution pipeline systems. The CPUC has regulatory jurisdiction over 150,000 miles of utility-owned natural gas pipelines, which transported 82% of the total amount of natural gas delivered to California’s gas consumers in 2012 (CPUC 2017).

SDG&E and Southwest Gas’ southern division are wholesale customers of SoCalGas and currently receive all of their natural gas from the SoCalGas system (CPUC 2017).

Some of the natural gas delivered to California customers may be delivered directly to them without being transported over the regulated utility systems. For example, the Kern River/Mojave pipeline system can deliver natural gas directly to some large customers, “bypassing” the utilities’ systems. Much of California-produced natural gas is also delivered directly to large consumers (CPUC 2017).

PG&E and SoCalGas own and operate several natural gas storage fields that are located in Northern and Southern California. These storage fields and four independently owned storage utilities—Lodi Gas Storage, Wild Goose Storage, Central Valley Storage, and Gill Ranch Storage—help meet peak seasonal natural gas demand and allow California natural gas customers to secure natural gas supplies more efficiently (CPUC 2017).

California’s regulated utilities do not own any natural gas production facilities. All of the natural gas sold by these utilities must be purchased from suppliers and/or marketers. The price of natural gas sold by suppliers and marketers was deregulated by the Federal Energy Regulatory Commission in the mid-1980s and is determined by “market forces.” However, CPUC decides whether California’s utilities have taken reasonable steps to minimize the cost of natural gas purchased on behalf of their core customers (CPUC 2017).

As indicated in the preceding discussion, natural gas is available from a variety of in-state and out-of-state sources and is provided throughout the state in response to market supply and demand. Complementing available natural gas resources, biogas may soon be available via existing delivery

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systems, thereby increasing the availability and reliability of resources in total. The CPUC oversees utility purchases and transmission of natural gas to ensure reliable and affordable natural gas deliveries to existing and new consumers throughout the state (CPUC 2017).

Petroleum

There are more than 27 million registered vehicles in California, and those vehicles consume an estimated 18 billion gallons of fuel each year (CEC 2013). Gasoline and other vehicle fuels are commercially provided commodities, and would be available to the SDSU New Student Housing Project via commercial outlets.

Petroleum accounts for approximately 92% of California's transportation energy sources. Technology advances, market trends, consumer behavior, and government policies could result in significant changes in fuel consumption by type and in total. At the federal and state levels, various policies, rules, and regulations have been enacted to improve vehicle fuel efficiency, promote the development and use of alternative fuels, reduce transportation-source air pollutants and greenhouse gas (GHG) emissions, and reduce vehicle miles traveled. Market forces have driven the price of petroleum products steadily upward, and technological advances have made use of other energy resources or alternative transportation modes increasingly feasible.

Largely as a result of, and in response to these multiple factors, gasoline consumption within the state has declined in recent years, while availability of other alternative fuels/energy sources has increased. In total, the quantity and availability and reliability of transportation energy resources have increased in recent years, and this trend may likely continue and accelerate (CEC 2013). Increasingly available and diversified transportation energy resources act to promote continuing reliable and affordable means to support vehicular transportation within the state.

2.2 Regulatory Setting

Federal, state, and local agencies regulate energy use and consumption through various means and programs. On the federal level, the U.S. Department of Transportation, the U.S. Department of Energy, and the U.S. Environmental Protection Agency (EPA) are three federal agencies with substantial influence over energy policies and programs. On the state level, CPUC and the CEC are two agencies with authority over different aspects of energy. Relevant federal, state, and local energy-related regulations are summarized below.

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2.2.1 Federal

Federal Energy Policy and Conservation Act

In 1975, Congress enacted the Federal Energy Policy and Conservation Act, which established the first fuel economy standards for on-road motor vehicles in the United States. Pursuant to the act, the National Highway Traffic Safety Administration is responsible for establishing additional vehicle standards. In 2012, new fuel economy standards were approved for model year 2017 passenger cars and light trucks at 54.5 miles per gallon (77 FR 62623–63200). Fuel economy is determined based on each manufacturer's average fuel economy for the fleet of vehicles available for sale in the United States.

Intermodal Surface Transportation Efficiency Act of 1991

The Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA) promoted the development of intermodal transportation systems to maximize mobility, as well as address national and local interests in air quality and energy. ISTEA contained factors that metropolitan planning organizations were to address in developing transportation plans and programs, including some energy-related factors. To meet the new ISTEA requirements, metropolitan planning organizations adopted explicit policies defining the social, economic, energy, and environmental values guiding transportation decisions.

The Transportation Equity Act for the 21st Century

The Transportation Equity Act for the 21st Century (TEA-21) was signed into law in 1998 and builds upon the initiatives established in the ISTEA legislation, discussed above. TEA-21 authorizes highway, highway safety, transit, and other efficient surface transportation programs. TEA-21 continues the program structure established for highways and transit under ISTEA, such as flexibility in the use of funds, emphasis on measures to improve the environment, and focus on a strong planning process as the foundation of good transportation decisions. TEA-21 also provides for investment in research and its application to maximize the performance of the transportation system through, for example, deployment of Intelligent Transportation Systems, to help improve operations and management of transportation systems and vehicle safety.

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Energy Independence and Security Act of 2007

On December 19, 2007, the Energy Independence and Security Act of 2007 (EISA) was signed into law. In addition to setting increased Corporate Average Fuel Economy standards for motor vehicles, the EISA includes other provisions related to energy efficiency:

- Renewable Fuel Standard (RFS) (Section 202)
- Appliance and Lighting Efficiency Standards (Sections 301–325)
- Building Energy Efficiency (Sections 411–441)

This federal legislation requires ever-increasing levels of renewable fuels—the RFS—to replace petroleum. The EPA is responsible for developing and implementing regulations to ensure that transportation fuel sold in the United States contains a minimum volume of renewable fuel. The RFS program regulations were developed in collaboration with refiners, renewable fuel producers, and many other stakeholders.

- The RFS program was created under the Energy Policy Act of 2005 and established the first renewable fuel volume mandate in the United States. As required under the act, the original RFS program (RFS1) required 7.5 billion gallons of renewable fuel to be blended into gasoline by 2012. Under the EISA, the RFS program was expanded in several key ways that lay the foundation for achieving significant reductions of GHG emissions from the use of renewable fuels, for reducing imported petroleum, and encouraging the development and expansion of our nation’s renewable fuels sector. The updated program is referred to as RFS2 and includes the following:
 - EISA expanded the RFS program to include diesel, in addition to gasoline.
 - EISA increased the volume of renewable fuel required to be blended into transportation fuel from 9 billion gallons in 2008 to 36 billion gallons by 2022.
 - EISA established new categories of renewable fuel and set separate volume requirements for each one.
 - EISA required the EPA to apply lifecycle GHG performance threshold standards to ensure that each category of renewable fuel emits fewer GHGs than the petroleum fuel it replaces.

Additional provisions of the EISA address energy savings in government and public institutions, promoting research for alternative energy, additional research in carbon capture, international energy programs, and the creation of “green jobs.”

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2.2.2 State

California Code of Regulations

Part 6 of Title 24 of the California Code of Regulations was established in 1978, and serves to enhance and regulate California's building standards. While not initially promulgated to reduce GHG emissions, Part 6 of Title 24 specifically establishes energy efficiency standards for residential and nonresidential buildings constructed in the State of California in order to reduce energy demand and consumption. Part 6 is updated periodically to incorporate and consider new energy efficiency technologies and methodologies. The 2016 Title 24 building energy efficiency standards, which became effective on January 1, 2017, will further reduce energy used and associated GHG emissions. In general, single-family homes built to the 2016 standards are anticipated to use about 28% less energy for lighting, heating, cooling, ventilation, and water heating than those built to the 2013 standards, and nonresidential buildings built to the 2016 standards will use an estimated 5% less energy than those built to the 2013 standards (CEC 2015b).

Title 24 also includes Part 11, known as California's Green Building Standards (CALGreen). The CALGreen standards took effect in January 2011, and instituted mandatory minimum environmental performance standards for all ground-up, new construction of commercial, low-rise residential and state-owned buildings, as well as schools and hospitals. The 2016 CALGreen standards became effective on January 1, 2017. The mandatory standards require:

- 20% mandatory reduction in indoor water use.
- 50% of construction and demolition waste must be diverted from landfills.
- Mandatory inspections of energy systems to ensure optimal working efficiency.
- Use of low-pollutant-emitting exterior and interior finish materials, such as paints, carpets, vinyl flooring, and particle boards.

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

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State of California Energy Action Plan

The CEC is responsible for preparing the State of California Energy Action Plan, which identifies emerging trends related to energy supply, demand, conservation, public health and safety, and the maintenance of a healthy economy. The Energy Action 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 and encouragement of urban designs that reduce vehicle miles traveled and accommodate pedestrian and bicycle access.

Senate Bill (SB) 1078. SB 1078 (Sher) (September 2002) established the Renewables Portfolio Standard (RPS) program, which requires an annual increase in renewable generation by the utilities equivalent to at least 1% of sales, with an aggregate goal of 20% by 2017. This goal was subsequently accelerated, requiring utilities to obtain 20% of their power from renewable sources by 2010 (see SB 107, Executive Order (EO) S-14-08, and EO S-21-09.)

EO S-14-08. EO S-14-08 (November 2008) focuses on the contribution of renewable energy sources to meet the electrical needs of California while reducing the GHG emissions from the electrical sector. This EO requires that all retail suppliers of electricity in California serve 33% of their load with renewable energy by 2020. Furthermore, the EO directs state agencies to take appropriate actions to facilitate reaching this target. The California Natural Resources Agency, through collaboration with the CEC and California Department of Fish and Wildlife (formerly the California Department of Fish and Game), is directed to lead this effort. Pursuant to a Memorandum of Understanding between the CEC and California Department of Fish and Wildlife regarding creating the Renewable Energy Action Team, these agencies will create a “one-stop” process for permitting renewable energy power plants.

EO S-21-09. EO S-21-09 (September 2009) directed the California Air Resources Board (CARB) to adopt a regulation consistent with the goal of EO S-14-08 by July 31, 2010. CARB is further directed to work with the CPUC and CEC to ensure that the regulation builds upon the RPS program and is applicable to investor-owned utilities, publicly owned utilities, direct access providers, and community choice providers. Under this order, CARB is to give the highest priority to those renewable resources that provide the greatest environmental benefits with the least environmental costs and impacts on public health and can be developed the most quickly in support of reliable, efficient, cost-effective electricity system operations. On September 23, 2010, CARB adopted regulations to implement a Renewable Electricity Standard, which would achieve the goal of the EO with the following intermediate and final goals: 20% renewable energy for 2012–2014, 24% for 2015–2017, 28% for 2018–2019, and

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33% for 2020 and beyond. Under the regulation, wind; solar; geothermal; small hydroelectric; biomass; ocean wave, thermal, and tidal; landfill and digester gas; and biodiesel would be considered sources of renewable energy. The regulation would apply to investor-owned utilities and public (municipal) utilities.

SB 1368

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

SB 1389

SB 1389 (Bowen and Sher) requires that every 2 years, the CEC adopt and transmit to the governor and legislature a report of findings called the Integrated Energy Policy Report. The Integrated Energy Policy Report Committee provides oversight and policy direction related to collecting and analyzing data needed to complete the Integrated Energy Policy Report on trends and issues concerning electricity and natural gas, transportation, energy efficiency, renewables, and public interest energy research.

Assembly Bill 1493

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

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Before these regulations could go into effect, the EPA had to grant California a waiver under the federal Clean Air Act, which ordinarily preempts state regulation of motor vehicle emission standards. The waiver was granted by Lisa Jackson, the EPA Administrator, on June 30, 2009. On March 29, 2010, the CARB Executive Officer approved revisions to the motor vehicle GHG standards to harmonize the state program with the national program for 2012–2016 model years (see the earlier discussion under Federal Energy Policy and Conservation Act). The revised regulations became effective on April 1, 2010.

In 2012, CARB approved a new emissions-control program for model years 2017 through 2025. The program combines the control of smog, soot, and global warming gases and requirements for greater numbers of zero-emission vehicles into a single package of standards called Advanced Clean Cars. By 2025, when the rules would be fully implemented, new automobiles would emit 34% fewer global warming gases and 75% fewer smog-forming emissions (CARB 2011).

2.2.3 Local

City of San Diego land use plans, policies, and guidelines are not applicable to California State University (CSU)/SDSU as a state entity. However, these local plans are provided for information and public disclosure purposes only.

City of San Diego General Plan

The Conservation Element of the City of San Diego’s General Plan (City of San Diego 2008) includes the following energy-related policies that are applicable to the SDSU New Student Housing Project.

Policy CE-A.5: Employ sustainable or “green” building techniques for the construction and operation of buildings.

- a. Develop and implement sustainable building standards for new and significant remodels of residential and commercial buildings to maximize energy efficiency, and to achieve overall net zero energy consumption by 2020 for new residential buildings and 2030 for new commercial buildings. This can be accomplished through factors including, but not limited to:
 - Designing mechanical and electrical systems that achieve greater energy efficiency with currently available technology
 - Minimizing energy use through innovative site design and building orientation that addresses factors such as sun-shade patterns, prevailing winds, landscape, and sun-screens

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- Employing self-generation of energy using renewable technologies
 - Combining energy efficient measures that have longer payback periods with measures that have shorter payback periods
 - Reducing levels of non-essential lighting, heating and cooling
 - Using energy efficient appliances and lighting.
- b. Provide technical services for “green” buildings in partnership with other agencies and organizations.

Policy CE-I.3: Pursue state and federal funding opportunities for research and development of alternative and renewable energy sources.

Policy CE-I.4: Maintain and promote water conservation and waste diversion programs to conserve energy.

Policy CE-I.5: Support the installation of photovoltaic panels, and other forms of renewable energy production.

- a. Seek funding to incorporate renewable energy alternatives in public buildings.
- b. Promote the use and installation of renewable energy alternatives in new and existing development.

Policy CE-I.7: Pursue investments in energy efficiency and direct sustained efforts towards eliminating inefficient energy use.

Policy CE-I.10: Use renewable energy sources to generate energy to the extent feasible.

Policy CE-I.12: Use small, decentralized, aesthetically-designed, and appropriately-sited energy efficient power generation facilities to the extent feasible.

City of San Diego Energy Strategy for a Sustainable Future

The City of San Diego Environmental Services Department has taken a leadership role to advance policies and practices that support a more sustainable future. In June 2009, the Department published its Energy Strategy for a Sustainable Future, which outlines six objectives to achieve more sustainable generation and use of energy, as follows (City of San Diego 2009):

- Energy Conservation – All City employees will be aware of and implement energy conservation measures by 2010.

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- Energy Efficiency – Reduce energy use 10% by 2012, using 2000 as a baseline.
- Renewable Energy – Increase megawatts of renewable energy used at City facilities to 17 by 2012, and to 25 by 2020.
- Management of SDG&E Energy Bills – Continue the use of the Electronic Data Interchange.
- Policy Development and Implementation – Guide City efforts by institutionalizing policies and programs that increase energy conservation, efficiency, and the use of renewable energy.
- Leverage Resources – Ensure that state and federal funds are leveraged to the extent possible with existing programs such as CEC loans and the CPUC Partnership funds.

The California State University

SDSU has signed the American College and University Presidents' Climate Commitment. Additionally, on May 20, 2014, the California State University Sustainability Policy was instated by the Board of Trustees of the California State University. The Sustainability Policy set forth that CSU would set energy efficiency and production goals, including pursuing energy procurement and production to reduce energy capacity requirements from fossil fuels, and promote energy independence using available economically feasible technology for on-site and/or renewable generation (CSU 2014). The policy also states that CSU shall operate in the most energy efficient manner possible, requiring universities to adopt a strategic energy resource plan and an energy management plan to help reduce energy use.

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3 THRESHOLDS OF SIGNIFICANCE

The California Environmental Quality Act (CEQA) Guidelines, Section 15126.4, and Appendix F, Energy Conservation, require that environmental impact reports include a discussion of the potential energy impacts of projects, with particular emphasis on avoiding or reducing inefficient, wasteful, and unnecessary consumption of energy (14 CCR 15000 et seq.).

The following section examines the impacts of the SDSU New Student Housing project on energy consumption, including electricity, natural gas, and petroleum. This section presents a summary of the SDSU New Student Housing Project's anticipated energy needs and compares the energy use estimates of the SDSU New Student Housing Project to those of the regional and local supply and demand under existing conditions, and to regional and local supply and demand forecasted for the future.

The CEQA Guidelines provide no specific thresholds for impacts associated with energy consumption. However, Appendix F of the CEQA Guidelines presents guidance for evaluating whether a development project may result in significant impacts with regard to energy. Based on this guidance, a project could have a significant impact under CEQA related to energy consumption if the project would:

- Result in wasteful, inefficient, or unnecessary consumption of energy;
- Conflict with existing energy standards and regulations; or
- Place a significant demand on local and regional energy supplies or require a substantial amount of additional capacity.

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4 IMPACTS

Implementation of the proposed project would increase the demand for electricity and natural gas at the project site and gasoline consumption in the project area during construction and operation relative to existing uses.

Electricity

Construction Use

Temporary electric power for as-necessary lighting and electronic equipment such as computers inside temporary construction trailers would be provided by SDG&E. Based on information provided by SDSU, the construction contractor will utilize various pieces of electric construction equipment throughout the project. Table 1 shows the electricity use (in kWh) estimated for electric construction equipment used during the project’s construction phase.

Table 1
Construction Equipment Electricity Use

Construction Phase	Equipment	Qty	kWh
<i>Phase 1</i>			
Building Construction 1.1 – Foundations	Tower Crane	2	59,946.31
Building Construction 1.2 – Superstructure	Tower Crane	2	67,139.87
Building Construction 1.3 – Building Envelope & Interior Buildout	Personnel Lift	2	46,604.03
<i>Phase 2</i>			
Building Construction 2.1 – Foundations	Tower Crane	1	21,181.03
Building Construction 2.2 – Superstructure	Tower Crane	1	58,747.38
Building Construction 2.3 – Building Envelope & Interior Buildout	Personnel Lift	1	16,660.94
<i>Phase 3</i>			
Building Construction 3.1 – Foundations	Tower Crane	2	60,745.59
Building Construction 3.2 – Superstructure	Tower Crane	1	32,770.65
Building Construction 3.3 – Building Envelope & Interior Buildout	Personnel Lift	4	92,275.97
Total			456,071.77

As shown in Table 1, the total electricity use by construction equipment over the entire construction period (2017–2024) is estimated to be 456,072 kWh. According to CPUC, SDG&E consumed approximately 16.467 billion kWh of electricity in total in 2014 (CPUC 2016). As such, the construction electricity demand would account for 0.0004% of SDG&E’s consumption during the construction period. The electricity used for such activities would be temporary and negligible; therefore, impacts would be **less than significant**.

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Operational Use

The project’s operational phase will require electricity for operating the various buildings. The project will include electricity saving features such as natural daylighting, green roofs, and solar heating for the pool. The project would be designed to a minimum Leadership in Energy and Environmental Design (LEED) Silver Certification, which may also drive additional energy efficiency in design. The LEED design requires the building to be fundamentally commissioned (commissioning a building is the testing and balancing of the main systems to assure optimum performance), use at least 10% less energy than the United States Green Building Council baseline, and contain systems that do not use any chlorofluorocarbon-based refrigerants. The annual estimated electricity demand (in kWh per year) for the project was provided by SDSU (based on the design features above) and is shown below in Table 2. The demands for Phases II and III were not provided, so it was conservatively estimated that those phases would require the same demand as Phase I without the Food Service Building.

Table 2
Estimated Electrical Demand

Building	Estimated Electrical Demand (kWh/yr)
<i>Phase I</i>	
Residence Hall 1	7,466,740
Residence Hall 2	5,631,408
Food Service Building	822,000
<i>Phase II</i>	
Residence Hall ¹	13,098,148
<i>Phase III</i>	
Residence Hall ¹	13,098,148
Total	40,116,444

Note:

¹ The electricity estimates for Phases II and III were not available. The electricity estimates for Residence Halls 1 through 4 were used to estimate use for Phases II and III.

The project is estimated to use 40,116,444 kWh per year for all three phases. SDSU currently supplies 77% of its own power through a natural gas cogeneration plant, with the remaining 19% from a local utility, and 4% from on-site solar production. The SDSU cogeneration plant provides a vital utility to the local grid as it provides the majority of the campus energy needs. Without it, the local utility would be required to purchase or produce the additional energy. Also, the cogeneration plant would be able to meet the increased demand the project would place on the campus grid.

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In 2015, SDG&E supplied 19,781 million kWh of electricity to San Diego County (CEC 2016a). Assuming the same power mix for the project, the demand on the local utility would be 7,622,124 kWh annually. The project’s annual electricity demand on the utility would account for 0.04% of the County’s total demand. Therefore, the project is not expected to have an impact on the local utility and, due to the energy efficiency measures designed into the project, would not result in a wasteful use of energy. Impacts related to operational electricity use would be **less than significant**.

Natural Gas

Construction Use

Natural gas is not anticipated to be required during construction of the project. Fuels used for construction would primarily consist of diesel and gasoline, which are discussed under the “petroleum” subsection below. Any minor amounts of natural gas that may be consumed as a result of project construction would be temporary and negligible and would not have an adverse effect; therefore, impacts would be **less than significant**.

Operational Use

Natural gas would be directly consumed throughout operation of the project, primarily through building heating and use in the dining hall for cooking. As described above, the project has included energy efficiency design measures that will also help reduce the heating loads and thus natural gas use. The natural gas demand for the project was provided by SDSU based on a consultant study. The demands for Phases II and III were not provided, so it was conservatively estimated that those phases would require the same demand as Phase I without the Food Service Building. Table 3 shows the estimated natural gas use (in therms per year) for the project during operation, which includes the sustainable design features.

**Table 3
Estimated Natural Gas Demand**

Building	Estimated Natural Gas Demand (therms/yr)
<i>Phase I</i>	
Residence Hall 1	166,463
Residence Hall 2	125,143
Food Service Building	58,220
<i>Phase II</i>	
Residence Hall ¹	292,606

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Table 3
Estimated Natural Gas Demand

Building	Estimated Natural Gas Demand (therms/yr)
<i>Phase III</i>	
Residence Hall ¹	292,606
Total	935,038

Note:

¹ The natural gas estimates for Phases II and III were not available. The natural gas estimates for Residence Halls 1 through 4 were used to estimate use for Phases II and III.

As shown in Table 3, the project is estimated to use 935,038 therms of natural gas per year. In 2015, SDG&E supplied 464.5 million therms of natural gas to customers (CEC 2016a). The project’s estimated natural gas use would account for 0.2% of the total. This demand would not impact the local utility, and due to the energy efficiency measures designed into the project would not result in a wasteful use of energy. Therefore, the project would result in a **less-than-significant** impact relating to natural gas consumption during operation.

Petroleum

Construction Use

Petroleum would be consumed throughout construction of the project. Fuel consumed by construction equipment would be the primary energy resource expended over the course of construction, while vehicle miles traveled (VMT) associated with the transportation of construction materials and construction worker commutes would also result in petroleum consumption. Heavy-duty construction equipment associated with construction activities would rely on diesel fuel, as would haul trucks involved in removing the materials from demolition and excavation. Construction workers would travel to and from the project site throughout the duration of construction. It is assumed in this analysis that construction workers would travel to and from the site in gasoline-powered passenger vehicles.

There are no unusual project characteristics or construction processes that would require the use of equipment that would be more energy intensive than is used for comparable activities, or equipment that would not conform to current emissions standards (and related fuel efficiencies).

Heavy-duty construction equipment of various types would be used during each phase of construction. CalEEMod was used to estimate construction equipment usage, and results are included in Appendix A. Based on that analysis, over all phases of construction, diesel-fueled construction equipment would run for an estimated 38,847 hours as summarized in Table 4.

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Table 4
Hours of Operation for Construction Equipment

Construction Phase (equipment)	Hours of Equipment Use
Demolition–Phase I (concrete saw, excavators, and rubber-tired dozers)	768
Grading–Phase I (crawler tractors, excavators, graders, rubber-tired dozers, rubber-tired loaders, and scrapers)	1,458
Trenching–Phase I (excavators)	480
Building Construction–Phase I–1 (drill rigs, cranes, forklifts, generator sets, pumps, and tractors)	3,675
Building Construction–Phase II–1 (drill rigs, cranes, forklifts, generator sets, pumps, and tractors)	3,192
Building Construction–Phase III–1 (drill rigs, cranes, forklifts, generator sets, pumps, and tractors)	10,000
Paving–Phase I (pavers and rollers)	1,944
Architectural Coating–Phase I (air compressors)	1,584
Grading–Phase II (crawler tractors, excavators, graders, rubber-tired dozers, rubber-tired loaders, and scrapers)	988
Trenching–Phase II (excavators)	368
Building Construction–Phase I–2 (forklifts, pumps, tractors, and welders)	318
Building Construction–Phase II–2 (forklifts, pumps, tractors, and welders)	882
Building Construction–Phase III–2 (forklifts, pumps, tractors, and welders)	858
Architectural Coating–Phase II (air compressors)	1,188
Paving–Phase II (forklifts and tractors)	1,180
Grading–Phase III (crawler tractors, excavators, graders, rubber-tired dozers, rubber-tired loaders, and scrapers)	1,782
Trenching–Phase III (excavators)	384
Building Construction–Phase I–3 (cranes and forklifts)	950
Building Construction–Phase II–3 (cranes and forklifts)	1,025
Building Construction–Phase III–3 (cranes and forklifts)	3,267
Paving–Phase III (forklifts and tractors)	972
Architectural Coating–Phase III (air compressors)	1,584
Total	38,847

Sources: Appendix A.

Fuel consumption from construction equipment was estimated by converting the total carbon dioxide (CO₂) emissions from each construction phase to gallons using the conversion factors for CO₂ to gallons of gasoline or diesel. Construction is estimated to occur in the years 2017–2024 based on the construction phasing schedule. The conversion factor for gasoline is 9.13 kilograms per metric ton CO₂ per gallon (kg/MT CO₂/gallon), and the conversion factor for diesel is 10.35 kg/MT CO₂/gallon (The Climate Registry 2016). The estimated diesel fuel usage from construction equipment is shown in Table 5.

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**Table 5
Construction Equipment Diesel Demand**

Phase	Pieces of Equipment	Equipment CO ₂ (MT)	kg/CO ₂ /Gallon	Gallons
Demolition–Phase I	6	28.48	10.35	2,751.73
Grading–Phase I	8	76.82	10.35	7,422.12
Trenching–Phase I	2	14.19	10.35	1,370.63
Building Construction–Phase I–1	8	125.86	10.35	12,160.46
Building Construction–Phase II–1	7	96.48	10.35	9,322.20
Building Construction–Phase III–1	8	155.93	10.35	15,065.29
Paving–Phase I	3	184.30	10.35	17,806.54
Architectural Coating–Phase I	4	69.89	10.35	6,752.44
Grading–Phase II	7	39.76	10.35	3,841.19
Trenching–Phase II	2	10.44	10.35	1,008.22
Building Construction–Phase I–2	3	6.16	10.35	595.31
Building Construction–Phase II–2	4	17.09	10.35	1,651.20
Building Construction–Phase III–2	4	16.63	10.35	1,606.33
Architectural Coating–Phase II	3	25.28	10.35	2,442.24
Paving–Phase II	3	18.09	10.35	1,747.45
Grading–Phase III	9	85.77	10.35	8,286.83
Trenching–Phase III	2	10.89	10.35	1,052.03
Building Construction–Phase I–3	4	23.02	10.35	2,224.13
Building Construction–Phase II–3	4	24.84	10.35	2,399.69
Building Construction–Phase III–3	5	85.06	10.35	8,218.82
Paving–Phase III	2	13.81	10.35	1,333.97
Architectural Coating–Phase III	4	33.70	10.35	3,256.32
Total				112,315.14

Sources: Pieces of equipment and equipment CO₂ (Appendix A); kg/CO₂/Gallon (The Climate Registry 2016).

Notes: CO₂ = carbon dioxide; MT = metric ton; kg = kilogram

Fuel consumption from worker and vendor trips are estimated by converting the total CO₂ emissions from each construction phase to gallons using the conversion factors for CO₂ to gallons of gasoline or diesel. Worker vehicles are assumed to be gasoline fueled, and vendor/hauling vehicles are assumed to be diesel fueled.

Calculations for total worker, vendor, and hauler fuel consumption are provided in Table 6, Construction Worker Gasoline Demand, Table 7, Construction Vendor Diesel Demand, and Table 8, Construction Hauler Diesel Demand.

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**Table 6
Construction Worker Gasoline Demand**

Phase	Trips	Vehicle CO ₂ (MT)	kg/CO ₂ /Gallon	Gallons
Demolition–Phase I	384	1.52	9.13	167.00
Grading–Phase I	540	2.14	9.13	234.84
Trenching–Phase I	420	1.63	9.13	178.54
Building Construction–Phase I–1	4,500	17.36	9.13	1,901.96
Building Construction–Phase II–1	2,520	9.72	9.13	1,065.10
Building Construction–Phase III–1	12,000	45.55	9.13	4,988.53
Paving–Phase I	3,240	12.13	9.13	1,328.11
Architectural Coating–Phase I	1,584	5.93	9.13	649.30
Grading–Phase II	416	1.51	9.13	165.14
Trenching–Phase II	230	0.83	9.13	91.30
Building Construction–Phase I–2	4,770	17.29	9.13	1,893.57
Building Construction–Phase II–2	10,290	36.67	9.13	4,016.73
Building Construction–Phase III–2	12,870	45.08	9.13	4,937.42
Architectural Coating–Phase II	1,056	3.70	9.13	405.13
Paving–Phase II	1,416	4.96	9.13	543.23
Grading–Phase III	540	1.75	9.13	191.95
Trenching–Phase III	336	1.09	9.13	119.43
Building Construction–Phase I–3	33,440	108.52	9.13	11,886.50
Building Construction–Phase II–3	19,680	62.89	9.13	6,887.93
Building Construction–Phase III–3	95,040	296.29	9.13	32,452.71
Paving–Phase III	3,240	10.10	9.13	1,106.34
Architectural Coating–Phase III	1,584	4.94	9.13	540.88
Total				75,751.62

Sources: Construction worker CO₂ (Appendix A); kg/CO₂/Gallon (The Climate Registry 2016).

Notes: CO₂ = carbon dioxide; MT = metric ton; kg = kilogram

**Table 7
Construction Vendor Diesel Demand**

Phase	Trips	Vehicle CO ₂ (MT)	Kg/CO ₂ /Gallon	Gallons
Demolition–Phase I	0	0.00	10.35	0.00
Grading–Phase I	0	0.00	10.35	0.00
Trenching–Phase I	4	1.28	10.35	124.14
Building Construction–Phase I–1	20	20.07	10.35	1,939.56
Building Construction–Phase II–1	10	11.24	10.35	1,086.15
Building Construction–Phase III–1	20	53.32	10.35	5,151.29
Paving–Phase I	8	8.61	10.35	831.69
Architectural Coating–Phase I	2	1.75	10.35	169.42
Grading–Phase II	0	0.00	10.35	0.00

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**Table 7
Construction Vendor Diesel Demand**

Phase	Trips	Vehicle CO ₂ (MT)	Kg/CO ₂ /Gallon	Gallons
Trenching–Phase II	2	0.61	10.35	58.64
Building Construction–Phase I–2	30	20.98	10.35	2,026.76
Building Construction–Phase II–2	30	57.92	10.35	5,595.78
Building Construction–Phase III–2	30	56.08	10.35	5,418.25
Architectural Coating–Phase II	2	1.73	10.35	166.71
Paving–Phase II	4	3.09	10.35	298.07
Grading–Phase III	0	0.00	10.35	0.00
Trenching–Phase III	4	1.21	10.35	117.07
Building Construction–Phase I–3	24	23.02	10.35	2,224.44
Building Construction–Phase II–3	24	24.78	10.35	2,394.11
Building Construction–Phase III–3	24	59.60	10.35	5,758.43
Paving–Phase III	8	8.13	10.35	785.24
Architectural Coating–Phase III	2	1.66	10.35	159.96
Total				34,305.71

Sources: Construction vendor CO₂ (Appendix A); kg/CO₂/Gallon (The Climate Registry 2016).

Notes: CO₂ = carbon dioxide; MT = metric ton; kg = kilogram

**Table 8
Construction Haul Diesel Demand**

Phase	Trips	Vehicle CO ₂ (MT)	kg/CO ₂ /Gallon	Gallons
Demolition–Phase I	140	3.12	10.35	301.36
Grading–Phase I	2,200	49.01	10.35	4,735.68
Trenching–Phase I	0	0.00	10.35	0.00
Building Construction–Phase I–1	10	0.22	10.35	21.41
Building Construction–Phase II–1	10	0.22	10.35	21.41
Building Construction–Phase III–1	10	0.22	10.35	21.29
Paving–Phase I	0	0.00	10.35	0.00
Architectural Coating–Phase I	0	0.00	10.35	0.00
Grading–Phase II	715	15.55	10.35	1,502.58
Trenching–Phase II	0	0.00	10.35	0.00
Building Construction–Phase I–2	0	0.00	10.35	0.00
Building Construction–Phase II–2	0	0.00	10.35	0.00
Building Construction–Phase III–2	0	0.00	10.35	0.00
Architectural Coating–Phase II	0	0.00	10.35	0.00
Paving–Phase II	0	0.00	10.35	0.00
Grading–Phase III	1,071	21.95	10.35	2,120.31
Trenching–Phase III	0	0.00	10.35	0.00
Building Construction–Phase I–3	0	0.00	10.35	0.00

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**Table 8
Construction Haul Diesel Demand**

Phase	Trips	Vehicle CO ₂ (MT)	kg/CO ₂ /Gallon	Gallons
Building Construction–Phase II–3	0	0.00	10.35	0.00
Building Construction–Phase III–3	0	0.00	10.35	0.00
Paving–Phase III	0	0.00	10.35	0.00
Architectural Coating–Phase III	0	0.00	10.35	0.00
Total				8,724.05

Sources: Construction haul CO₂ (Appendix A); kg/CO₂/Gallon (The Climate Registry 2016).

Notes: CO₂ = carbon dioxide; MT = metric ton; kg = kilogram

In summary, the project is estimated to consume 231,097 gallons of petroleum during the construction phase, which would last approximately 75 months (extending approximately from 2017 to 2024). By comparison, California’s consumption of petroleum is approximately 52.9 million gallons per day (CEC 2016b). Based on these assumptions, approximately 121 billion gallons of petroleum would be consumed in California over the course of the construction period. Construction of the project would equate to 0.0002% of the total amount of petroleum that would be used statewide during the course of the construction period. Therefore, because petroleum use during construction would be temporary and negligible, impacts would be **less than significant**.

Operational Use

During operations, the majority of fuel consumption resulting from the project would involve the use of motor vehicles traveling to and from the project site, as well as fuels used for alternative modes of transportation that may be used by employees, visitors, and guests. The project would create on-campus freshman housing and free up existing campus housing for sophomore students otherwise living off-campus. Adding on campus housing for freshman and sophomores would result in less VMT by a larger percentage of students and result in reduced automobile fuel consumption.

Petroleum fuel consumption associated with motor vehicles traveling to and from the project site is a function of the VMT as a result of project operation. As shown in Appendix A (CalEEMod outputs), the annual VMT attributable to the proposed project is expected to be 4,182,170 VMT. Similar to the construction worker and vendor trips, fuel consumption is estimated by converting the total CO₂ emissions from each land use type to gallons using the conversion factors for CO₂ to gallons of gasoline or diesel. Based on the annual fleet mix provided in CalEEMod, 92.5% of the fleet range from light-duty to medium-duty vehicles and motorcycles are assumed to run on gasoline. The remaining 7.5% of vehicles represent medium-heavy duty to heavy-duty vehicles

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and buses/RVs and are assumed to run on diesel. Calculations for annual mobile source fuel consumption are provided in Table 9, Mobile Source Fuel Consumption.

Table 9
Mobile Source Fuel Consumption

Fuel	Vehicle MT CO ₂	kg/CO ₂ /Gallon	Gallons
Gasoline	3,041.63	9.13	333,146.45
Diesel	247.28	10.35	23,892.07
Total			357,038.52

Sources: Mobile Source CO₂ (Appendix A); kg/CO₂/Gallon (The Climate Registry 2016).

Notes: CO₂ = carbon dioxide; MT = metric ton; kg = kilogram

Mobile sources from the proposed project will require a net increase in approximately 333,147 gallons of gasoline per year and 23,892 gallons of diesel per year beginning in 2025. By comparison, California as a whole consumes approximately 19.3 billion gallons of petroleum per year (CEC 2016b). The anticipated increase in consumption associated with 1 year of project operation is 0.002% of the statewide use.

It should be noted that over the lifetime of the project, the fuel efficiency of the vehicles being used by the visitors, employees, and guests is expected to increase. As such, the amount of petroleum consumed as a result of vehicular trips to and from the project site during operation would decrease over time. There are numerous regulations in place that require and encourage increased fuel efficiency. For example, CARB has adopted a new approach to passenger vehicles by combining the control of smog-causing pollutants and GHG emissions into a single coordinated package of standards. The new approach also includes efforts to support and accelerate the numbers of plug-in hybrids and zero-emissions vehicles in California (CARB 2013). Additionally, in response to SB 375, CARB has adopted the goal of reducing per-capita GHG emissions from 2005 levels by 8% by the year 2020 and 13% by the year 2035 for light-duty passenger vehicles in the San Diego Association of Governments' planning area. This reduction would occur by reducing VMT through the integration of land use planning and transportation (SANDAG 2015). As such, operation of the project is expected to use decreasing amounts of petroleum over time, due to advances in fuel economy.

In summary, although the project would see an increase in petroleum use during construction and operation, the use is a small fraction of the statewide use and due to efficiency increases will diminish over time. Given these considerations, the petroleum consumption associated with the project would not be considered inefficient or wasteful and therefore would result in a **less-than-significant impact**.

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5 MITIGATION MEASURES

Due to the lack of significant energy impacts, mitigation measures are not necessary.

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6 LEVEL OF SIGNIFICANCE AFTER MITIGATION

Given the lack of significant impacts to energy resources used during construction or operation of the project, the project would not result in significant or unavoidable impacts to energy resources.

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- The Climate Registry. 2016. *Default Emission Factors*. April 19, 2016. Accessed January 2017. <https://www.theclimateregistry.org/wp-content/uploads/2014/11/2016-Climite-Registry-Default-Emission-Factors.pdf>.

APPENDIX A

*CalEEMod Output Files for Construction
and Operation*

SDSU West Campus Housing Project - San Diego County APCD Air District, Annual

SDSU West Campus Housing Project
San Diego County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Quality Restaurant	16.10	1000sqft	0.37	16,100.00	0
Apartments High Rise	245.00	Dwelling Unit	2.35	178,000.00	850
Apartments High Rise	258.00	Dwelling Unit	2.78	210,000.00	866
Apartments Mid Rise	249.00	Dwelling Unit	2.34	205,000.00	850
Recreational Swimming Pool	6.40	1000sqft	0.15	6,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2018
Utility Company	User Defined				
CO2 Intensity (lb/MWhr)	0	CH4 Intensity (lb/MWhr)	0	N2O Intensity (lb/MWhr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - GHG intensity based on SDSU provided energy mix.

Land Use - Based on data provided by SDSU. See Section 2.0 of the DEIR for more information.

Construction Phase - Based on data provided by SDSU. See Section 2.0 of the DEIR for more information.

Off-road Equipment - See Section 2.6.2 for Construction Details.

Off-road Equipment - See Section 2.6.2 for Construction Details.

Off-road Equipment - See Section 2.6.2 for Construction Details.

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Off-road Equipment - See Section 2.6.2 for Construction Details.

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Off-road Equipment - See Section 2.6.2 for Construction Details.

Off-road Equipment - See Section 2.6.2 for Construction Details.

Trips and VMT - See Section 2.6.2 for Construction Details.

On-road Fugitive Dust - CalEEMod defaults.

Demolition - No demolition of structures anticipated for this project.

Grading - See Section 2.6.2 for Construction Details.

Architectural Coating - No VOC paint used for interior. It was assumed 5 g/L to be conservative. No exterior architectural coating.

Vehicle Trips - Based on Traffic Impact Analysis, Linscott, Law & Greenspan, Engineers 2017.

Vehicle Emission Factors - CalEEMod defaults.

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Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Road Dust - CalEEMod defaults.

Woodstoves - No woodstoves or fireplaces.

Consumer Products - CalEEMod defaults.

Area Coating - The campus standard is a No VOC paint. It was conservatively assumed 5 g/L for interior and 50 g/L for exterior.

Landscape Equipment - CalEEMod defaults.

Energy Use - Based on energy usage from SDSU. See Section 2.0 of the DEIR for more information.

Water And Wastewater - Based on water usage from SDSU. See Section 2.0 of the DEIR for more information.

Solid Waste - CalEEMod defaults.

Land Use Change - Does not apply to this project.

Sequestration - Does not apply to this project.

Construction Off-road Equipment Mitigation - Fugitive dust mitigation in accordance with SDAPCD Rule 55.

Mobile Land Use Mitigation - No traffic mitigation.

Mobile Commute Mitigation - No commute mitigation.

Area Mitigation - The campus standard is a No VOC paint. It was conservatively assumed 5 g/L for interior and 50 g/L for exterior.

Energy Mitigation - No energy mitigation.

Water Mitigation - No water use mitigation.

Waste Mitigation - CSU Sustainability Policy goal of 80% diversion by 2020.

Stationary Sources - Emergency Generators and Fire Pumps - There is 1 emergency generator for each project phase.

Stationary Sources - Process Boilers - Does not apply to this project.

Stationary Sources - User Defined - Does not apply to this project.

Stationary Sources - Emergency Generators and Fire Pumps EF - CalEEMod defaults.

Stationary Sources - Process Boilers EF - Does not apply to this project.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	0.00

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tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	5.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	5.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	5.00
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	0.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	0.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	0.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	5.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	5.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	5.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	5
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblEnergyUse	LightingElect	741.44	9,052.85
tblEnergyUse	LightingElect	741.44	9,143.74
tblEnergyUse	LightingElect	6.97	9.72
tblEnergyUse	NT24E	3,277.06	40,012.30
tblEnergyUse	NT24E	3,277.06	40,414.03
tblEnergyUse	NT24E	23.69	33.04
tblEnergyUse	NT24NG	4,180.00	56,073.78
tblEnergyUse	NT24NG	4,180.00	56,636.77

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tblEnergyUse	NT24NG	138.46	315.87
tblEnergyUse	T24E	246.93	3,014.97
tblEnergyUse	T24E	246.93	3,045.24
tblEnergyUse	T24E	8.63	12.04
tblEnergyUse	T24NG	4,687.93	62,887.55
tblEnergyUse	T24NG	4,687.93	63,518.95
tblEnergyUse	T24NG	36.10	82.36
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	276.65	0.00
tblFireplaces	NumberGas	136.95	0.00
tblFireplaces	NumberNoFireplace	50.30	0.00
tblFireplaces	NumberNoFireplace	24.90	0.00
tblFireplaces	NumberWood	176.05	0.00
tblFireplaces	NumberWood	87.15	0.00
tblGrading	AcresOfGrading	87.75	94.50
tblGrading	AcresOfGrading	74.25	94.50
tblGrading	AcresOfGrading	29.25	91.00
tblGrading	MaterialExported	0.00	3,111.00
tblGrading	MaterialImported	0.00	15,000.00
tblGrading	MaterialImported	0.00	30,209.00
tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	BuildingSpaceSquareFeet	245,000.00	178,000.00

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tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
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tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripNumber	0.00	140.00
tblTripsAndVMT	HaulingTripNumber	1,875.00	1,071.00
tblTripsAndVMT	HaulingTripNumber	4,165.00	2,200.00
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	HaulingTripNumber	1,250.00	715.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	83.00	30.00
tblTripsAndVMT	VendorTripNumber	83.00	30.00
tblTripsAndVMT	VendorTripNumber	83.00	30.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	83.00	24.00
tblTripsAndVMT	VendorTripNumber	83.00	24.00
tblTripsAndVMT	VendorTripNumber	83.00	24.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

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tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	83.00	20.00
tblTripsAndVMT	VendorTripNumber	83.00	10.00
tblTripsAndVMT	VendorTripNumber	83.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	15.00	24.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00
tblTripsAndVMT	WorkerTripNumber	548.00	90.00
tblTripsAndVMT	WorkerTripNumber	548.00	70.00
tblTripsAndVMT	WorkerTripNumber	548.00	90.00
tblTripsAndVMT	WorkerTripNumber	110.00	16.00
tblTripsAndVMT	WorkerTripNumber	8.00	24.00
tblTripsAndVMT	WorkerTripNumber	23.00	20.00
tblTripsAndVMT	WorkerTripNumber	5.00	14.00
tblTripsAndVMT	WorkerTripNumber	548.00	440.00
tblTripsAndVMT	WorkerTripNumber	548.00	240.00
tblTripsAndVMT	WorkerTripNumber	548.00	480.00
tblTripsAndVMT	WorkerTripNumber	5.00	40.00
tblTripsAndVMT	WorkerTripNumber	110.00	24.00
tblTripsAndVMT	WorkerTripNumber	5.00	14.00
tblTripsAndVMT	WorkerTripNumber	548.00	60.00
tblTripsAndVMT	WorkerTripNumber	548.00	30.00
tblTripsAndVMT	WorkerTripNumber	548.00	60.00
tblTripsAndVMT	WorkerTripNumber	8.00	40.00
tblTripsAndVMT	WorkerTripNumber	110.00	24.00
tblTripsAndVMT	WorkerTripNumber	18.00	16.00

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tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TTP	69.00	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TTP	12.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	18.00	0.00
tblVehicleTrips	HO_TL	7.50	3.40
tblVehicleTrips	HO_TL	7.50	3.40
tblVehicleTrips	HO_TTP	39.60	100.00
tblVehicleTrips	HO_TTP	39.60	100.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TTP	18.80	0.00
tblVehicleTrips	HS_TTP	18.80	0.00
tblVehicleTrips	HW_TL	10.80	0.00
tblVehicleTrips	HW_TL	10.80	0.00
tblVehicleTrips	HW_TTP	41.60	0.00
tblVehicleTrips	HW_TTP	41.60	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	44.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	38.00	0.00

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tblVehicleTrips	ST_TR	4.98	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	94.36	0.00
tblVehicleTrips	SU_TR	3.65	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	72.16	0.00
tblVehicleTrips	WD_TR	4.20	6.29
tblVehicleTrips	WD_TR	6.65	6.29
tblVehicleTrips	WD_TR	89.95	0.00
tblWater	IndoorWaterUseRate	32,772,474.89	59,235,120.00
tblWater	IndoorWaterUseRate	16,223,352.38	29,617,560.01
tblWater	IndoorWaterUseRate	4,886,892.77	539,353.20
tblWater	OutdoorWaterUseRate	20,660,908.08	37,343,880.00
tblWater	OutdoorWaterUseRate	10,227,765.63	18,671,939.99
tblWater	OutdoorWaterUseRate	311,929.33	34,426.80
tblWoodstoves	NumberCatalytic	25.15	0.00
tblWoodstoves	NumberCatalytic	12.45	0.00
tblWoodstoves	NumberNoncatalytic	25.15	0.00
tblWoodstoves	NumberNoncatalytic	12.45	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

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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					
2017	0.1191	1.5429	0.7560	1.7500e-003	0.1276	0.0576	0.1852	0.0431	0.0533	0.0964	0.0000	164.6308	164.6308	0.0380	0.0000	165.5798
2018	0.2983	3.0285	2.2019	5.4800e-003	0.0656	0.1425	0.2082	0.0178	0.1349	0.1527	0.0000	496.5415	496.5415	0.1045	0.0000	499.1550
2019	0.3452	1.9045	1.5923	3.7500e-003	0.0554	0.0924	0.1478	0.0150	0.0879	0.1029	0.0000	336.1554	336.1554	0.0655	0.0000	337.7929
2020	0.0790	0.8222	0.6095	1.8500e-003	0.1464	0.0257	0.1721	0.0427	0.0240	0.0667	0.0000	169.7838	169.7838	0.0250	0.0000	170.4091
2021	0.2431	0.8221	0.8661	2.5100e-003	0.1047	0.0280	0.1328	0.0284	0.0270	0.0554	0.0000	229.6285	229.6285	0.0198	0.0000	230.1237
2023	0.1601	1.0972	1.1687	3.8200e-003	0.3128	0.0375	0.3503	0.0927	0.0345	0.1272	0.0000	346.4588	346.4588	0.0523	0.0000	347.7659
2024	0.4021	1.2285	1.8750	6.1400e-003	0.4521	0.0429	0.4950	0.1206	0.0401	0.1607	0.0000	556.5568	556.5568	0.0507	0.0000	557.8232
Maximum	0.4021	3.0285	2.2019	6.1400e-003	0.4521	0.1425	0.4950	0.1206	0.1349	0.1607	0.0000	556.5568	556.5568	0.1045	0.0000	557.8232

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2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.1191	1.5429	0.7560	1.7500e-003	0.0652	0.0576	0.1228	0.0215	0.0533	0.0748	0.0000	164.6307	164.6307	0.0380	0.0000	165.5797
2018	0.2983	3.0285	2.2019	5.4800e-003	0.0656	0.1425	0.2082	0.0178	0.1349	0.1527	0.0000	496.5410	496.5410	0.1045	0.0000	499.1545
2019	0.3452	1.9045	1.5923	3.7500e-003	0.0554	0.0924	0.1478	0.0150	0.0879	0.1029	0.0000	336.1551	336.1551	0.0655	0.0000	337.7926
2020	0.0790	0.8222	0.6095	1.8500e-003	0.0980	0.0257	0.1237	0.0279	0.0240	0.0519	0.0000	169.7837	169.7837	0.0250	0.0000	170.4090
2021	0.2431	0.8221	0.8661	2.5100e-003	0.1047	0.0280	0.1328	0.0284	0.0270	0.0554	0.0000	229.6284	229.6284	0.0198	0.0000	230.1236
2023	0.1601	1.0972	1.1687	3.8200e-003	0.2511	0.0375	0.2886	0.0712	0.0345	0.1057	0.0000	346.4586	346.4586	0.0523	0.0000	347.7657
2024	0.4021	1.2285	1.8750	6.1400e-003	0.4521	0.0429	0.4950	0.1206	0.0401	0.1607	0.0000	556.5566	556.5566	0.0507	0.0000	557.8231
Maximum	0.4021	3.0285	2.2019	6.1400e-003	0.4521	0.1425	0.4950	0.1206	0.1349	0.1607	0.0000	556.5566	556.5566	0.1045	0.0000	557.8231

	ROG	NOx	CO	SO2	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	13.64	0.00	10.20	16.06	0.00	7.60	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	11-8-2017	2-7-2018	2.0222	2.0222
2	2-8-2018	5-7-2018	0.8719	0.8719
3	5-8-2018	8-7-2018	0.6566	0.6566
4	8-8-2018	11-7-2018	0.8233	0.8233

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5	11-8-2018	2-7-2019	0.9170	0.9170
6	2-8-2019	5-7-2019	1.4566	1.4566
7	5-8-2019	8-7-2019	0.4188	0.4188
11	5-8-2020	8-7-2020	0.5829	0.5829
12	8-8-2020	11-7-2020	0.1955	0.1955
13	11-8-2020	2-7-2021	0.1850	0.1850
14	2-8-2021	5-7-2021	0.1229	0.1229
15	5-8-2021	8-7-2021	0.1669	0.1669
16	8-8-2021	11-7-2021	0.5444	0.5444
17	11-8-2021	2-7-2022	0.1625	0.1625
23	5-8-2023	8-7-2023	0.7912	0.7912
24	8-8-2023	11-7-2023	0.3028	0.3028
25	11-8-2023	2-7-2024	0.2618	0.2618
26	2-8-2024	5-7-2024	0.2995	0.2995
27	5-8-2024	8-7-2024	0.3480	0.3480
28	8-8-2024	9-30-2024	0.3827	0.3827
		Highest	2.0222	2.0222

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.6137	0.0653	5.6234	2.9000e-004		0.0307	0.0307		0.0307	0.0307	0.0000	9.1213	9.1213	9.0400e-003	0.0000	9.3473
Energy	0.5186	4.4501	2.0239	0.0283		0.3583	0.3583		0.3583	0.3583	0.0000	5,131.8814	5,131.8814	0.0984	0.0941	5,162.3776
Mobile	1.6754	6.0656	15.1903	0.0358	1.7318	0.0443	1.7761	0.4841	0.0418	0.5258	0.0000	3,288.3025	3,288.3025	0.2272	0.0000	3,293.9819
Stationary	0.0333	0.0932	0.0850	1.6000e-004		4.9000e-003	4.9000e-003		4.9000e-003	4.9000e-003	0.0000	15.4680	15.4680	2.1700e-003	0.0000	15.5222
Waste						0.0000	0.0000		0.0000	0.0000	73.2006	0.0000	73.2006	4.3260	0.0000	181.3513
Water						0.0000	0.0000		0.0000	0.0000	28.3600	0.0000	28.3600	2.9128	0.0688	121.6770
Total	4.8410	10.6741	22.9226	0.0645	1.7318	0.4382	2.1700	0.4841	0.4356	0.9197	101.5605	8,444.7732	8,546.3337	7.5756	0.1629	8,784.2573

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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	2.6137	0.0653	5.6234	2.9000e-004		0.0307	0.0307		0.0307	0.0307	0.0000	9.1213	9.1213	9.0400e-003	0.0000	9.3473
Energy	0.5186	4.4501	2.0239	0.0283		0.3583	0.3583		0.3583	0.3583	0.0000	5,131.8814	5,131.8814	0.0984	0.0941	5,162.3776
Mobile	1.6754	6.0656	15.1903	0.0358	1.7318	0.0443	1.7761	0.4841	0.0418	0.5258	0.0000	3,288.3025	3,288.3025	0.2272	0.0000	3,293.9819
Stationary	0.0333	0.0932	0.0850	1.6000e-004		4.9000e-003	4.9000e-003		4.9000e-003	4.9000e-003	0.0000	15.4680	15.4680	2.1700e-003	0.0000	15.5222
Waste						0.0000	0.0000		0.0000	0.0000	14.6401	0.0000	14.6401	0.8652	0.0000	36.2703
Water						0.0000	0.0000		0.0000	0.0000	28.3600	0.0000	28.3600	2.9128	0.0688	121.6770
Total	4.8410	10.6741	22.9226	0.0645	1.7318	0.4382	2.1700	0.4841	0.4356	0.9197	43.0001	8,444.7732	8,487.7733	4.1148	0.1629	8,639.1763

	ROG	NOx	CO	SO2	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	57.66	0.00	0.69	45.68	0.00	1.65

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition-Phase I	Demolition	11/8/2017	11/29/2017	5	16	
2	Grading-Phase I	Grading	11/15/2017	12/21/2017	5	27	
3	Trenching-Phase I	Trenching	12/22/2017	2/1/2018	5	30	
4	Building Construction-Phase I-1	Building Construction	1/9/2018	4/23/2018	5	75	
5	Building Construction-Phase II-1	Building Construction	4/23/2018	8/16/2018	5	84	
6	Building Construction-Phase III-1	Building Construction	8/27/2018	5/31/2019	5	200	
7	Paving-Phase I	Paving	2/8/2019	5/31/2019	5	81	
8	Architectural Coating-Phase I	Architectural Coating	3/1/2019	5/31/2019	5	66	
9	Grading-Phase II	Grading	5/15/2020	6/19/2020	5	26	
10	Trenching-Phase II	Trenching	6/21/2020	7/22/2020	5	23	
11	Building Construction-Phase I-2	Building Construction	7/9/2020	9/21/2020	5	53	
12	Building Construction-Phase II-2	Building Construction	9/21/2020	4/13/2021	5	147	
13	Building Construction-Phase III-2	Building Construction	5/13/2021	11/29/2021	5	143	
14	Architectural Coating-Phase II	Architectural Coating	8/29/2021	11/29/2021	5	66	
15	Paving-Phase II	Paving	9/8/2021	11/29/2021	5	59	
16	Grading-Phase III	Grading	5/15/2023	6/20/2023	5	27	
17	Trenching-Phase III	Trenching	6/21/2023	7/24/2023	5	24	
18	Building Construction-Phase I-3	Building Construction	7/9/2023	10/23/2023	5	76	
19	Building Construction-Phase II-3	Building Construction	10/21/2023	2/13/2024	5	82	
20	Building Construction-Phase III-3	Building Construction	2/24/2024	11/27/2024	5	198	
21	Paving-Phase III	Paving	8/7/2024	11/27/2024	5	81	
22	Architectural Coating-Phase III	Architectural Coating	8/28/2024	11/27/2024	5	66	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

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Acres of Paving: 0**Residential Indoor: 1,200,825; Residential Outdoor: 400,275; Non-Residential Indoor: 24,150; Non-Residential Outdoor: 8,050; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
	Excavators	2	8.00	158	0.38
	Rubber Tired Loaders	1	8.00	203	0.36
Demolition-Phase I	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition-Phase I	Excavators	3	8.00	158	0.38
Demolition-Phase I	Rubber Tired Dozers	2	8.00	247	0.40
Grading-Phase I	Crawler Tractors	1	8.00	212	0.43
Grading-Phase I	Excavators	2	8.00	158	0.38
Grading-Phase I	Graders	1	4.00	187	0.41
Grading-Phase I	Rubber Tired Dozers	1	6.00	247	0.40
Grading-Phase I	Rubber Tired Loaders	1	4.00	203	0.36
Grading-Phase I	Scrapers	2	8.00	367	0.48
Trenching-Phase I	Excavators	2	8.00	158	0.38
Building Construction-Phase I-1	Bore/Drill Rigs	2	8.00	221	0.50
Building Construction-Phase I-1	Cranes	1	4.00	231	0.29
Building Construction-Phase I-1	Forklifts	1	2.00	89	0.20
Building Construction-Phase I-1	Generator Sets	1	8.00	84	0.74
Building Construction-Phase I-1	Pumps	1	3.00	84	0.74
Building Construction-Phase I-1	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction-Phase II-1	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction-Phase II-1	Cranes	1	2.00	231	0.29
Building Construction-Phase II-1	Forklifts	1	2.00	89	0.20
Building Construction-Phase II-1	Generator Sets	1	8.00	84	0.74

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Building Construction-Phase II-1	Pumps	1	2.00	84	0.74
Building Construction-Phase II-1	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction-Phase III-1	Bore/Drill Rigs	2	8.00	221	0.50
Building Construction-Phase III-1	Cranes	1	4.00	231	0.29
Building Construction-Phase III-1	Forklifts	1	2.00	89	0.20
Building Construction-Phase III-1	Generator Sets	1	8.00	84	0.74
Building Construction-Phase III-1	Pumps	1	4.00	84	0.74
Building Construction-Phase III-1	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving-Phase I	Pavers	1	8.00	130	0.42
Paving-Phase I	Rollers	2	8.00	80	0.38
Architectural Coating-Phase I	Air Compressors	4	6.00	78	0.48
Grading-Phase II	Crawler Tractors	1	8.00	212	0.43
Grading-Phase II	Excavators	2	8.00	158	0.38
Grading-Phase II	Graders	1	2.00	187	0.41
Grading-Phase II	Rubber Tired Dozers	1	4.00	247	0.40
Grading-Phase II	Rubber Tired Loaders	1	4.00	203	0.36
Grading-Phase II	Scrapers	1	4.00	367	0.48
Trenching-Phase II	Excavators	2	8.00	158	0.38
Building Construction-Phase I-2	Forklifts	1	2.00	89	0.20
Building Construction-Phase I-2	Pumps	1	2.00	84	0.74
Building Construction-Phase I-2	Tractors/Loaders/Backhoes	1	1.00	97	0.37
Building Construction-Phase I-2	Welders	1	1.00	46	0.45
Building Construction-Phase II-2	Forklifts	1	2.00	89	0.20
Building Construction-Phase II-2	Pumps	1	2.00	84	0.74
Building Construction-Phase II-2	Tractors/Loaders/Backhoes	1	1.00	97	0.37
Building Construction-Phase II-2	Welders	1	1.00	46	0.45
Building Construction-Phase III-2	Forklifts	1	2.00	89	0.20

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Building Construction-Phase III-2	Pumps	1	2.00	84	0.74
Building Construction-Phase III-2	Tractors/Loaders/Backhoes	1	1.00	97	0.37
Building Construction-Phase III-2	Welders	1	1.00	46	0.45
Architectural Coating-Phase II	Air Compressors	3	6.00	78	0.48
Paving-Phase II	Forklifts	1	4.00	89	0.20
Paving-Phase II	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading-Phase III	Crawler Tractors	2	8.00	212	0.43
Grading-Phase III	Excavators	2	8.00	158	0.38
Grading-Phase III	Graders	1	4.00	187	0.41
Grading-Phase III	Rubber Tired Dozers	1	6.00	247	0.40
Grading-Phase III	Rubber Tired Loaders	1	8.00	203	0.36
Grading-Phase III	Scrapers	2	8.00	367	0.48
Trenching-Phase III	Excavators	2	8.00	158	0.38
Building Construction-Phase I-3	Cranes	1	0.50	231	0.29
Building Construction-Phase I-3	Cranes	2	4.00	231	0.29
Building Construction-Phase I-3	Forklifts	1	4.00	89	0.20
Building Construction-Phase II-3	Cranes	1	0.50	231	0.29
Building Construction-Phase II-3	Cranes	2	4.00	231	0.29
Building Construction-Phase II-3	Forklifts	1	4.00	89	0.20
Building Construction-Phase III-3	Cranes	1	0.50	231	0.29
Building Construction-Phase III-3	Cranes	3	4.00	231	0.29
Building Construction-Phase III-3	Forklifts	1	4.00	89	0.20
Paving-Phase III	Forklifts	1	4.00	89	0.20
Paving-Phase III	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating-Phase III	Air Compressors	4	6.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition-Phase I	6	24.00	0.00	140.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase I	8	20.00	0.00	2,200.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Trenching-Phase I	2	14.00	4.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase I-1	8	60.00	20.00	10.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase II-1	7	30.00	10.00	10.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase III-1	8	60.00	20.00	10.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Paving-Phase I	3	40.00	8.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating-Phase I	4	24.00	2.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase II	7	16.00	0.00	715.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Trenching-Phase II	2	10.00	2.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase I-2	4	90.00	30.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase II-2	4	70.00	30.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase III-2	4	90.00	30.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating-Phase II	3	16.00	2.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Paving-Phase II	3	24.00	4.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase III	9	20.00	0.00	1,071.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Trenching-Phase III	2	14.00	4.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase I-3	4	440.00	24.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase II-3	4	240.00	24.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase III-3	5	480.00	24.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Paving-Phase III	2	40.00	8.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating-Phase III	4	24.00	2.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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3.2 Demolition-Phase I - 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	0.0328	0.3420	0.1841	3.1000e-004		0.0176	0.0176		0.0163	0.0163	0.0000	28.4804	28.4804	7.7900e-003	0.0000	28.6751
Total	0.0328	0.3420	0.1841	3.1000e-004		0.0176	0.0176		0.0163	0.0163	0.0000	28.4804	28.4804	7.7900e-003	0.0000	28.6751

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.7000e-004	0.0160	3.1500e-003	3.0000e-005	6.0000e-004	7.0000e-005	6.7000e-004	1.6000e-004	7.0000e-005	2.4000e-004	0.0000	3.1191	3.1191	3.3000e-004	0.0000	3.1274
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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-004	7.3000e-004	7.0600e-003	2.0000e-005	1.5400e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.5247	1.5247	6.0000e-005	0.0000	1.5261
Total	1.3800e-003	0.0168	0.0102	5.0000e-005	2.1400e-003	8.0000e-005	2.2200e-003	5.7000e-004	8.0000e-005	6.6000e-004	0.0000	4.6438	4.6438	3.9000e-004	0.0000	4.6536

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3.2 Demolition-Phase I - 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	0.0328	0.3420	0.1841	3.1000e-004		0.0176	0.0176		0.0163	0.0163	0.0000	28.4804	28.4804	7.7900e-003	0.0000	28.6750
Total	0.0328	0.3420	0.1841	3.1000e-004		0.0176	0.0176		0.0163	0.0163	0.0000	28.4804	28.4804	7.7900e-003	0.0000	28.6750

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.7000e-004	0.0160	3.1500e-003	3.0000e-005	6.0000e-004	7.0000e-005	6.7000e-004	1.6000e-004	7.0000e-005	2.4000e-004	0.0000	3.1191	3.1191	3.3000e-004	0.0000	3.1274
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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-004	7.3000e-004	7.0600e-003	2.0000e-005	1.5400e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.5247	1.5247	6.0000e-005	0.0000	1.5261
Total	1.3800e-003	0.0168	0.0102	5.0000e-005	2.1400e-003	8.0000e-005	2.2200e-003	5.7000e-004	8.0000e-005	6.6000e-004	0.0000	4.6438	4.6438	3.9000e-004	0.0000	4.6536

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3.3 Grading-Phase I - 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					0.1134	0.0000	0.1134	0.0393	0.0000	0.0393	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0738	0.9058	0.4802	8.3000e-004		0.0376	0.0376		0.0346	0.0346	0.0000	76.8190	76.8190	0.0235	0.0000	77.4074
Total	0.0738	0.9058	0.4802	8.3000e-004	0.1134	0.0376	0.1511	0.0393	0.0346	0.0739	0.0000	76.8190	76.8190	0.0235	0.0000	77.4074

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.3400e-003	0.2519	0.0495	5.0000e-004	9.4200e-003	1.1600e-003	0.0106	2.5900e-003	1.1100e-003	3.7000e-003	0.0000	49.0143	49.0143	5.2400e-003	0.0000	49.1454
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2800e-003	1.0300e-003	9.9200e-003	2.0000e-005	2.1700e-003	2.0000e-005	2.1800e-003	5.8000e-004	2.0000e-005	5.9000e-004	0.0000	2.1441	2.1441	8.0000e-005	0.0000	2.1461
Total	8.6200e-003	0.2529	0.0594	5.2000e-004	0.0116	1.1800e-003	0.0128	3.1700e-003	1.1300e-003	4.2900e-003	0.0000	51.1584	51.1584	5.3200e-003	0.0000	51.2915

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3.3 Grading-Phase I - 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					0.0510	0.0000	0.0510	0.0177	0.0000	0.0177	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0738	0.9058	0.4802	8.3000e-004		0.0376	0.0376		0.0346	0.0346	0.0000	76.8189	76.8189	0.0235	0.0000	77.4074
Total	0.0738	0.9058	0.4802	8.3000e-004	0.0510	0.0376	0.0887	0.0177	0.0346	0.0523	0.0000	76.8189	76.8189	0.0235	0.0000	77.4074

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.3400e-003	0.2519	0.0495	5.0000e-004	9.4200e-003	1.1600e-003	0.0106	2.5900e-003	1.1100e-003	3.7000e-003	0.0000	49.0143	49.0143	5.2400e-003	0.0000	49.1454
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2800e-003	1.0300e-003	9.9200e-003	2.0000e-005	2.1700e-003	2.0000e-005	2.1800e-003	5.8000e-004	2.0000e-005	5.9000e-004	0.0000	2.1441	2.1441	8.0000e-005	0.0000	2.1461
Total	8.6200e-003	0.2529	0.0594	5.2000e-004	0.0116	1.1800e-003	0.0128	3.1700e-003	1.1300e-003	4.2900e-003	0.0000	51.1584	51.1584	5.3200e-003	0.0000	51.2915

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3.4 Trenching-Phase I - 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	2.1200e-003	0.0235	0.0200	3.0000e-005		1.1600e-003	1.1600e-003		1.0600e-003	1.0600e-003	0.0000	2.8734	2.8734	8.8000e-004	0.0000	2.8954
Total	2.1200e-003	0.0235	0.0200	3.0000e-005		1.1600e-003	1.1600e-003		1.0600e-003	1.0600e-003	0.0000	2.8734	2.8734	8.8000e-004	0.0000	2.8954

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	1.7200e-003	4.9000e-004	0.0000	8.0000e-005	2.0000e-005	1.0000e-004	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.3223	0.3223	3.0000e-005	0.0000	0.3230
Worker	2.0000e-004	1.6000e-004	1.5400e-003	0.0000	3.4000e-004	0.0000	3.4000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3335	0.3335	1.0000e-005	0.0000	0.3338
Total	2.7000e-004	1.8800e-003	2.0300e-003	0.0000	4.2000e-004	2.0000e-005	4.4000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	0.6558	0.6558	4.0000e-005	0.0000	0.6568

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3.4 Trenching-Phase I - 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	2.1200e-003	0.0235	0.0200	3.0000e-005		1.1600e-003	1.1600e-003		1.0600e-003	1.0600e-003	0.0000	2.8734	2.8734	8.8000e-004	0.0000	2.8954
Total	2.1200e-003	0.0235	0.0200	3.0000e-005		1.1600e-003	1.1600e-003		1.0600e-003	1.0600e-003	0.0000	2.8734	2.8734	8.8000e-004	0.0000	2.8954

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	1.7200e-003	4.9000e-004	0.0000	8.0000e-005	2.0000e-005	1.0000e-004	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.3223	0.3223	3.0000e-005	0.0000	0.3230
Worker	2.0000e-004	1.6000e-004	1.5400e-003	0.0000	3.4000e-004	0.0000	3.4000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3335	0.3335	1.0000e-005	0.0000	0.3338
Total	2.7000e-004	1.8800e-003	2.0300e-003	0.0000	4.2000e-004	2.0000e-005	4.4000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	0.6558	0.6558	4.0000e-005	0.0000	0.6568

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3.4 Trenching-Phase I - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.9400e-003	0.0743	0.0786	1.2000e-004		3.6000e-003	3.6000e-003		3.3200e-003	3.3200e-003	0.0000	11.3126	11.3126	3.5200e-003	0.0000	11.4007
Total	6.9400e-003	0.0743	0.0786	1.2000e-004		3.6000e-003	3.6000e-003		3.3200e-003	3.3200e-003	0.0000	11.3126	11.3126	3.5200e-003	0.0000	11.4007

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.5000e-004	6.4100e-003	1.7600e-003	1.0000e-005	3.2000e-004	5.0000e-005	3.7000e-004	9.0000e-005	5.0000e-005	1.4000e-004	0.0000	1.2848	1.2848	1.1000e-004	0.0000	1.2874
Worker	7.2000e-004	5.7000e-004	5.4500e-003	1.0000e-005	1.3500e-003	1.0000e-005	1.3600e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2966	1.2966	4.0000e-005	0.0000	1.2977
Total	9.7000e-004	6.9800e-003	7.2100e-003	2.0000e-005	1.6700e-003	6.0000e-005	1.7300e-003	4.5000e-004	6.0000e-005	5.1000e-004	0.0000	2.5813	2.5813	1.5000e-004	0.0000	2.5851

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3.4 Trenching-Phase I - 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	6.9400e-003	0.0743	0.0786	1.2000e-004		3.6000e-003	3.6000e-003		3.3200e-003	3.3200e-003	0.0000	11.3126	11.3126	3.5200e-003	0.0000	11.4007
Total	6.9400e-003	0.0743	0.0786	1.2000e-004		3.6000e-003	3.6000e-003		3.3200e-003	3.3200e-003	0.0000	11.3126	11.3126	3.5200e-003	0.0000	11.4007

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.5000e-004	6.4100e-003	1.7600e-003	1.0000e-005	3.2000e-004	5.0000e-005	3.7000e-004	9.0000e-005	5.0000e-005	1.4000e-004	0.0000	1.2848	1.2848	1.1000e-004	0.0000	1.2874
Worker	7.2000e-004	5.7000e-004	5.4500e-003	1.0000e-005	1.3500e-003	1.0000e-005	1.3600e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.2966	1.2966	4.0000e-005	0.0000	1.2977
Total	9.7000e-004	6.9800e-003	7.2100e-003	2.0000e-005	1.6700e-003	6.0000e-005	1.7300e-003	4.5000e-004	6.0000e-005	5.1000e-004	0.0000	2.5813	2.5813	1.5000e-004	0.0000	2.5851

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3.5 Building Construction-Phase I-1 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0814	0.8676	0.5848	1.4000e-003		0.0433	0.0433		0.0409	0.0409	0.0000	125.8609	125.8609	0.0322	0.0000	126.6669
Total	0.0814	0.8676	0.5848	1.4000e-003		0.0433	0.0433		0.0409	0.0409	0.0000	125.8609	125.8609	0.0322	0.0000	126.6669

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.0700e-003	2.1000e-004	0.0000	4.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2216	0.2216	2.0000e-005	0.0000	0.2222
Vendor	3.9300e-003	0.1001	0.0275	2.1000e-004	4.9800e-003	7.8000e-004	5.7600e-003	1.4400e-003	7.4000e-004	2.1800e-003	0.0000	20.0744	20.0744	1.6500e-003	0.0000	20.1158
Worker	9.6200e-003	7.6100e-003	0.0730	1.9000e-004	0.0180	1.3000e-004	0.0182	4.7900e-003	1.2000e-004	4.9200e-003	0.0000	17.3649	17.3649	6.0000e-004	0.0000	17.3799
Total	0.0136	0.1088	0.1008	4.0000e-004	0.0231	9.1000e-004	0.0240	6.2400e-003	8.6000e-004	7.1200e-003	0.0000	37.6610	37.6610	2.2700e-003	0.0000	37.7179

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3.5 Building Construction-Phase I-1 - 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	0.0814	0.8676	0.5848	1.4000e-003		0.0433	0.0433		0.0409	0.0409	0.0000	125.8608	125.8608	0.0322	0.0000	126.6668
Total	0.0814	0.8676	0.5848	1.4000e-003		0.0433	0.0433		0.0409	0.0409	0.0000	125.8608	125.8608	0.0322	0.0000	126.6668

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.0700e-003	2.1000e-004	0.0000	4.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2216	0.2216	2.0000e-005	0.0000	0.2222
Vendor	3.9300e-003	0.1001	0.0275	2.1000e-004	4.9800e-003	7.8000e-004	5.7600e-003	1.4400e-003	7.4000e-004	2.1800e-003	0.0000	20.0744	20.0744	1.6500e-003	0.0000	20.1158
Worker	9.6200e-003	7.6100e-003	0.0730	1.9000e-004	0.0180	1.3000e-004	0.0182	4.7900e-003	1.2000e-004	4.9200e-003	0.0000	17.3649	17.3649	6.0000e-004	0.0000	17.3799
Total	0.0136	0.1088	0.1008	4.0000e-004	0.0231	9.1000e-004	0.0240	6.2400e-003	8.6000e-004	7.1200e-003	0.0000	37.6610	37.6610	2.2700e-003	0.0000	37.7179

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3.6 Building Construction-Phase II-1 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0697	0.7019	0.5207	1.0800e-003		0.0390	0.0390		0.0370	0.0370	0.0000	96.4849	96.4849	0.0230	0.0000	97.0589
Total	0.0697	0.7019	0.5207	1.0800e-003		0.0390	0.0390		0.0370	0.0370	0.0000	96.4849	96.4849	0.0230	0.0000	97.0589

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.0700e-003	2.1000e-004	0.0000	4.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2216	0.2216	2.0000e-005	0.0000	0.2222
Vendor	2.2000e-003	0.0561	0.0154	1.2000e-004	2.7900e-003	4.4000e-004	3.2200e-003	8.0000e-004	4.2000e-004	1.2200e-003	0.0000	11.2417	11.2417	9.3000e-004	0.0000	11.2648
Worker	5.3900e-003	4.2600e-003	0.0409	1.1000e-004	0.0101	7.0000e-005	0.0102	2.6800e-003	7.0000e-005	2.7500e-003	0.0000	9.7244	9.7244	3.4000e-004	0.0000	9.7328
Total	7.6200e-003	0.0614	0.0565	2.3000e-004	0.0129	5.1000e-004	0.0135	3.4900e-003	4.9000e-004	3.9900e-003	0.0000	21.1877	21.1877	1.2900e-003	0.0000	21.2198

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3.6 Building Construction-Phase II-1 - 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	0.0697	0.7019	0.5207	1.0800e-003		0.0390	0.0390		0.0370	0.0370	0.0000	96.4848	96.4848	0.0230	0.0000	97.0588
Total	0.0697	0.7019	0.5207	1.0800e-003		0.0390	0.0390		0.0370	0.0370	0.0000	96.4848	96.4848	0.0230	0.0000	97.0588

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.0700e-003	2.1000e-004	0.0000	4.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2216	0.2216	2.0000e-005	0.0000	0.2222
Vendor	2.2000e-003	0.0561	0.0154	1.2000e-004	2.7900e-003	4.4000e-004	3.2200e-003	8.0000e-004	4.2000e-004	1.2200e-003	0.0000	11.2417	11.2417	9.3000e-004	0.0000	11.2648
Worker	5.3900e-003	4.2600e-003	0.0409	1.1000e-004	0.0101	7.0000e-005	0.0102	2.6800e-003	7.0000e-005	2.7500e-003	0.0000	9.7244	9.7244	3.4000e-004	0.0000	9.7328
Total	7.6200e-003	0.0614	0.0565	2.3000e-004	0.0129	5.1000e-004	0.0135	3.4900e-003	4.9000e-004	3.9900e-003	0.0000	21.1877	21.1877	1.2900e-003	0.0000	21.2198

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3.7 Building Construction-Phase III-1 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1017	1.0764	0.7312	1.7300e-003		0.0541	0.0541		0.0512	0.0512	0.0000	155.9258	155.9258	0.0394	0.0000	156.9099
Total	0.1017	1.0764	0.7312	1.7300e-003		0.0541	0.0541		0.0512	0.0512	0.0000	155.9258	155.9258	0.0394	0.0000	156.9099

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	4.8000e-004	1.0000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1008	0.1008	1.0000e-005	0.0000	0.1011
Vendor	4.7700e-003	0.1215	0.0334	2.5000e-004	6.0400e-003	9.4000e-004	6.9800e-003	1.7400e-003	9.0000e-004	2.6500e-003	0.0000	24.3570	24.3570	2.0100e-003	0.0000	24.4071
Worker	0.0117	9.2400e-003	0.0886	2.3000e-004	0.0219	1.6000e-004	0.0221	5.8200e-003	1.5000e-004	5.9700e-003	0.0000	21.0695	21.0695	7.3000e-004	0.0000	21.0876
Total	0.0165	0.1312	0.1221	4.8000e-004	0.0280	1.1000e-003	0.0291	7.5700e-003	1.0500e-003	8.6300e-003	0.0000	45.5272	45.5272	2.7500e-003	0.0000	45.5959

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3.7 Building Construction-Phase III-1 - 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	0.1017	1.0764	0.7312	1.7300e-003		0.0541	0.0541		0.0512	0.0512	0.0000	155.9257	155.9257	0.0394	0.0000	156.9097
Total	0.1017	1.0764	0.7312	1.7300e-003		0.0541	0.0541		0.0512	0.0512	0.0000	155.9257	155.9257	0.0394	0.0000	156.9097

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	4.8000e-004	1.0000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1008	0.1008	1.0000e-005	0.0000	0.1011
Vendor	4.7700e-003	0.1215	0.0334	2.5000e-004	6.0400e-003	9.4000e-004	6.9800e-003	1.7400e-003	9.0000e-004	2.6500e-003	0.0000	24.3570	24.3570	2.0100e-003	0.0000	24.4071
Worker	0.0117	9.2400e-003	0.0886	2.3000e-004	0.0219	1.6000e-004	0.0221	5.8200e-003	1.5000e-004	5.9700e-003	0.0000	21.0695	21.0695	7.3000e-004	0.0000	21.0876
Total	0.0165	0.1312	0.1221	4.8000e-004	0.0280	1.1000e-003	0.0291	7.5700e-003	1.0500e-003	8.6300e-003	0.0000	45.5272	45.5272	2.7500e-003	0.0000	45.5959

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3.7 Building Construction-Phase III-1 - 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	0.1088	1.1507	0.8610	2.0800e-003		0.0557	0.0557		0.0527	0.0527	0.0000	184.2979	184.2979	0.0467	0.0000	185.4647
Total	0.1088	1.1507	0.8610	2.0800e-003		0.0557	0.0557		0.0527	0.0527	0.0000	184.2979	184.2979	0.0467	0.0000	185.4647

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	5.5000e-004	1.1000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1196	0.1196	1.0000e-005	0.0000	0.1199
Vendor	5.1100e-003	0.1368	0.0368	3.0000e-004	7.2300e-003	9.5000e-004	8.1800e-003	2.0900e-003	9.1000e-004	2.9900e-003	0.0000	28.9589	28.9589	2.3200e-003	0.0000	29.0170
Worker	0.0129	9.8900e-003	0.0957	2.7000e-004	0.0262	1.9000e-004	0.0264	6.9700e-003	1.8000e-004	7.1400e-003	0.0000	24.4758	24.4758	7.9000e-004	0.0000	24.4955
Total	0.0180	0.1473	0.1326	5.7000e-004	0.0335	1.1400e-003	0.0346	9.0700e-003	1.0900e-003	0.0101	0.0000	53.5544	53.5544	3.1200e-003	0.0000	53.6324

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3.7 Building Construction-Phase III-1 - 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	0.1088	1.1507	0.8610	2.0800e-003		0.0557	0.0557		0.0527	0.0527	0.0000	184.2977	184.2977	0.0467	0.0000	185.4645
Total	0.1088	1.1507	0.8610	2.0800e-003		0.0557	0.0557		0.0527	0.0527	0.0000	184.2977	184.2977	0.0467	0.0000	185.4645

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	5.5000e-004	1.1000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1196	0.1196	1.0000e-005	0.0000	0.1199
Vendor	5.1100e-003	0.1368	0.0368	3.0000e-004	7.2300e-003	9.5000e-004	8.1800e-003	2.0900e-003	9.1000e-004	2.9900e-003	0.0000	28.9589	28.9589	2.3200e-003	0.0000	29.0170
Worker	0.0129	9.8900e-003	0.0957	2.7000e-004	0.0262	1.9000e-004	0.0264	6.9700e-003	1.8000e-004	7.1400e-003	0.0000	24.4758	24.4758	7.9000e-004	0.0000	24.4955
Total	0.0180	0.1473	0.1326	5.7000e-004	0.0335	1.1400e-003	0.0346	9.0700e-003	1.0900e-003	0.0101	0.0000	53.5544	53.5544	3.1200e-003	0.0000	53.6324

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3.8 Paving-Phase I - 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	0.0300	0.3081	0.2720	4.0000e-004		0.0181	0.0181		0.0167	0.0167	0.0000	36.1849	36.1849	0.0115	0.0000	36.4712
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0300	0.3081	0.2720	4.0000e-004		0.0181	0.0181		0.0167	0.0167	0.0000	36.1849	36.1849	0.0115	0.0000	36.4712

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5200e-003	0.0407	0.0109	9.0000e-005	2.1500e-003	2.8000e-004	2.4300e-003	6.2000e-004	2.7000e-004	8.9000e-004	0.0000	8.6080	8.6080	6.9000e-004	0.0000	8.6252
Worker	6.3900e-003	4.9000e-003	0.0474	1.3000e-004	0.0130	9.0000e-005	0.0131	3.4500e-003	9.0000e-005	3.5400e-003	0.0000	12.1256	12.1256	3.9000e-004	0.0000	12.1354
Total	7.9100e-003	0.0456	0.0583	2.2000e-004	0.0151	3.7000e-004	0.0155	4.0700e-003	3.6000e-004	4.4300e-003	0.0000	20.7336	20.7336	1.0800e-003	0.0000	20.7606

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3.8 Paving-Phase I - 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	0.0300	0.3081	0.2720	4.0000e-004		0.0181	0.0181		0.0167	0.0167	0.0000	36.1849	36.1849	0.0115	0.0000	36.4711
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0300	0.3081	0.2720	4.0000e-004		0.0181	0.0181		0.0167	0.0167	0.0000	36.1849	36.1849	0.0115	0.0000	36.4711

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5200e-003	0.0407	0.0109	9.0000e-005	2.1500e-003	2.8000e-004	2.4300e-003	6.2000e-004	2.7000e-004	8.9000e-004	0.0000	8.6080	8.6080	6.9000e-004	0.0000	8.6252
Worker	6.3900e-003	4.9000e-003	0.0474	1.3000e-004	0.0130	9.0000e-005	0.0131	3.4500e-003	9.0000e-005	3.5400e-003	0.0000	12.1256	12.1256	3.9000e-004	0.0000	12.1354
Total	7.9100e-003	0.0456	0.0583	2.2000e-004	0.0151	3.7000e-004	0.0155	4.0700e-003	3.6000e-004	4.4300e-003	0.0000	20.7336	20.7336	1.0800e-003	0.0000	20.7606

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3.9 Architectural Coating-Phase I - 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	0.1419					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0352	0.2423	0.2431	3.9000e-004		0.0170	0.0170		0.0170	0.0170	0.0000	33.7030	33.7030	2.8500e-003	0.0000	33.7741
Total	0.1771	0.2423	0.2431	3.9000e-004		0.0170	0.0170		0.0170	0.0170	0.0000	33.7030	33.7030	2.8500e-003	0.0000	33.7741

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1000e-004	8.2800e-003	2.2300e-003	2.0000e-005	4.4000e-004	6.0000e-005	5.0000e-004	1.3000e-004	5.0000e-005	1.8000e-004	0.0000	1.7535	1.7535	1.4000e-004	0.0000	1.7570
Worker	3.1200e-003	2.4000e-003	0.0232	7.0000e-005	6.3500e-003	5.0000e-005	6.4000e-003	1.6900e-003	4.0000e-005	1.7300e-003	0.0000	5.9281	5.9281	1.9000e-004	0.0000	5.9329
Total	3.4300e-003	0.0107	0.0254	9.0000e-005	6.7900e-003	1.1000e-004	6.9000e-003	1.8200e-003	9.0000e-005	1.9100e-003	0.0000	7.6816	7.6816	3.3000e-004	0.0000	7.6899

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3.9 Architectural Coating-Phase I - 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	0.1419					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0352	0.2423	0.2431	3.9000e-004		0.0170	0.0170		0.0170	0.0170	0.0000	33.7029	33.7029	2.8500e-003	0.0000	33.7741
Total	0.1771	0.2423	0.2431	3.9000e-004		0.0170	0.0170		0.0170	0.0170	0.0000	33.7029	33.7029	2.8500e-003	0.0000	33.7741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1000e-004	8.2800e-003	2.2300e-003	2.0000e-005	4.4000e-004	6.0000e-005	5.0000e-004	1.3000e-004	5.0000e-005	1.8000e-004	0.0000	1.7535	1.7535	1.4000e-004	0.0000	1.7570
Worker	3.1200e-003	2.4000e-003	0.0232	7.0000e-005	6.3500e-003	5.0000e-005	6.4000e-003	1.6900e-003	4.0000e-005	1.7300e-003	0.0000	5.9281	5.9281	1.9000e-004	0.0000	5.9329
Total	3.4300e-003	0.0107	0.0254	9.0000e-005	6.7900e-003	1.1000e-004	6.9000e-003	1.8200e-003	9.0000e-005	1.9100e-003	0.0000	7.6816	7.6816	3.3000e-004	0.0000	7.6899

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3.10 Grading-Phase II - 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					0.0881	0.0000	0.0881	0.0268	0.0000	0.0268	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0313	0.3588	0.2093	4.5000e-004		0.0149	0.0149		0.0137	0.0137	0.0000	39.7563	39.7563	0.0129	0.0000	40.0778
Total	0.0313	0.3588	0.2093	4.5000e-004	0.0881	0.0149	0.1030	0.0268	0.0137	0.0405	0.0000	39.7563	39.7563	0.0129	0.0000	40.0778

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.7600e-003	0.0679	0.0142	1.6000e-004	3.0600e-003	1.7000e-004	3.2300e-003	8.4000e-004	1.6000e-004	1.0100e-003	0.0000	15.5517	15.5517	1.5800e-003	0.0000	15.5912
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	5.7000e-004	5.5700e-003	2.0000e-005	1.6700e-003	1.0000e-005	1.6800e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5077	1.5077	5.0000e-005	0.0000	1.5089
Total	2.5300e-003	0.0685	0.0198	1.8000e-004	4.7300e-003	1.8000e-004	4.9100e-003	1.2800e-003	1.7000e-004	1.4600e-003	0.0000	17.0594	17.0594	1.6300e-003	0.0000	17.1000

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3.10 Grading-Phase II - 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					0.0396	0.0000	0.0396	0.0121	0.0000	0.0121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0313	0.3588	0.2093	4.5000e-004		0.0149	0.0149		0.0137	0.0137	0.0000	39.7563	39.7563	0.0129	0.0000	40.0777
Total	0.0313	0.3588	0.2093	4.5000e-004	0.0396	0.0149	0.0545	0.0121	0.0137	0.0258	0.0000	39.7563	39.7563	0.0129	0.0000	40.0777

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.7600e-003	0.0679	0.0142	1.6000e-004	3.0600e-003	1.7000e-004	3.2300e-003	8.4000e-004	1.6000e-004	1.0100e-003	0.0000	15.5517	15.5517	1.5800e-003	0.0000	15.5912
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	5.7000e-004	5.5700e-003	2.0000e-005	1.6700e-003	1.0000e-005	1.6800e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5077	1.5077	5.0000e-005	0.0000	1.5089
Total	2.5300e-003	0.0685	0.0198	1.8000e-004	4.7300e-003	1.8000e-004	4.9100e-003	1.2800e-003	1.7000e-004	1.4600e-003	0.0000	17.0594	17.0594	1.6300e-003	0.0000	17.1000

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3.11 Trenching-Phase II - 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	5.6300e-003	0.0555	0.0752	1.2000e-004		2.6900e-003	2.6900e-003		2.4700e-003	2.4700e-003	0.0000	10.4351	10.4351	3.3700e-003	0.0000	10.5195
Total	5.6300e-003	0.0555	0.0752	1.2000e-004		2.6900e-003	2.6900e-003		2.4700e-003	2.4700e-003	0.0000	10.4351	10.4351	3.3700e-003	0.0000	10.5195

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	2.6200e-003	7.0000e-004	1.0000e-005	1.5000e-004	1.0000e-005	1.7000e-004	4.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.6069	0.6069	5.0000e-005	0.0000	0.6080
Worker	4.2000e-004	3.1000e-004	3.0800e-003	1.0000e-005	9.2000e-004	1.0000e-005	9.3000e-004	2.5000e-004	1.0000e-005	2.5000e-004	0.0000	0.8336	0.8336	3.0000e-005	0.0000	0.8342
Total	5.1000e-004	2.9300e-003	3.7800e-003	2.0000e-005	1.0700e-003	2.0000e-005	1.1000e-003	2.9000e-004	2.0000e-005	3.1000e-004	0.0000	1.4405	1.4405	8.0000e-005	0.0000	1.4423

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3.11 Trenching-Phase II - 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	5.6300e-003	0.0555	0.0752	1.2000e-004		2.6900e-003	2.6900e-003		2.4700e-003	2.4700e-003	0.0000	10.4351	10.4351	3.3700e-003	0.0000	10.5195
Total	5.6300e-003	0.0555	0.0752	1.2000e-004		2.6900e-003	2.6900e-003		2.4700e-003	2.4700e-003	0.0000	10.4351	10.4351	3.3700e-003	0.0000	10.5195

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	2.6200e-003	7.0000e-004	1.0000e-005	1.5000e-004	1.0000e-005	1.7000e-004	4.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.6069	0.6069	5.0000e-005	0.0000	0.6080
Worker	4.2000e-004	3.1000e-004	3.0800e-003	1.0000e-005	9.2000e-004	1.0000e-005	9.3000e-004	2.5000e-004	1.0000e-005	2.5000e-004	0.0000	0.8336	0.8336	3.0000e-005	0.0000	0.8342
Total	5.1000e-004	2.9300e-003	3.7800e-003	2.0000e-005	1.0700e-003	2.0000e-005	1.1000e-003	2.9000e-004	2.0000e-005	3.1000e-004	0.0000	1.4405	1.4405	8.0000e-005	0.0000	1.4423

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3.12 Building Construction-Phase I-2 - 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	5.5800e-003	0.0442	0.0462	7.0000e-005		2.7400e-003	2.7400e-003		2.6600e-003	2.6600e-003	0.0000	6.1615	6.1615	9.0000e-004	0.0000	6.1839
Total	5.5800e-003	0.0442	0.0462	7.0000e-005		2.7400e-003	2.7400e-003		2.6600e-003	2.6600e-003	0.0000	6.1615	6.1615	9.0000e-004	0.0000	6.1839

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0300e-003	0.0906	0.0241	2.2000e-004	5.2800e-003	4.4000e-004	5.7200e-003	1.5200e-003	4.2000e-004	1.9500e-003	0.0000	20.9770	20.9770	1.6100e-003	0.0000	21.0172
Worker	8.7900e-003	6.5100e-003	0.0638	1.9000e-004	0.0191	1.4000e-004	0.0193	5.0800e-003	1.3000e-004	5.2100e-003	0.0000	17.2883	17.2883	5.2000e-004	0.0000	17.3013
Total	0.0118	0.0971	0.0879	4.1000e-004	0.0244	5.8000e-004	0.0250	6.6000e-003	5.5000e-004	7.1600e-003	0.0000	38.2653	38.2653	2.1300e-003	0.0000	38.3184

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3.12 Building Construction-Phase I-2 - 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	5.5800e-003	0.0442	0.0462	7.0000e-005		2.7400e-003	2.7400e-003		2.6600e-003	2.6600e-003	0.0000	6.1615	6.1615	9.0000e-004	0.0000	6.1839
Total	5.5800e-003	0.0442	0.0462	7.0000e-005		2.7400e-003	2.7400e-003		2.6600e-003	2.6600e-003	0.0000	6.1615	6.1615	9.0000e-004	0.0000	6.1839

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0300e-003	0.0906	0.0241	2.2000e-004	5.2800e-003	4.4000e-004	5.7200e-003	1.5200e-003	4.2000e-004	1.9500e-003	0.0000	20.9770	20.9770	1.6100e-003	0.0000	21.0172
Worker	8.7900e-003	6.5100e-003	0.0638	1.9000e-004	0.0191	1.4000e-004	0.0193	5.0800e-003	1.3000e-004	5.2100e-003	0.0000	17.2883	17.2883	5.2000e-004	0.0000	17.3013
Total	0.0118	0.0971	0.0879	4.1000e-004	0.0244	5.8000e-004	0.0250	6.6000e-003	5.5000e-004	7.1600e-003	0.0000	38.2653	38.2653	2.1300e-003	0.0000	38.3184

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3.13 Building Construction-Phase II-2 - 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	7.8000e-003	0.0617	0.0644	1.0000e-004		3.8300e-003	3.8300e-003		3.7100e-003	3.7100e-003	0.0000	8.6028	8.6028	1.2500e-003	0.0000	8.6341
Total	7.8000e-003	0.0617	0.0644	1.0000e-004		3.8300e-003	3.8300e-003		3.7100e-003	3.7100e-003	0.0000	8.6028	8.6028	1.2500e-003	0.0000	8.6341

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.2300e-003	0.1265	0.0336	3.0000e-004	7.3700e-003	6.2000e-004	7.9800e-003	2.1300e-003	5.9000e-004	2.7200e-003	0.0000	29.2886	29.2886	2.2400e-003	0.0000	29.3447
Worker	9.5500e-003	7.0700e-003	0.0693	2.1000e-004	0.0208	1.5000e-004	0.0209	5.5200e-003	1.4000e-004	5.6600e-003	0.0000	18.7743	18.7743	5.6000e-004	0.0000	18.7884
Total	0.0138	0.1336	0.1029	5.1000e-004	0.0281	7.7000e-004	0.0289	7.6500e-003	7.3000e-004	8.3800e-003	0.0000	48.0629	48.0629	2.8000e-003	0.0000	48.1331

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3.13 Building Construction-Phase II-2 - 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	7.8000e-003	0.0617	0.0644	1.0000e-004		3.8300e-003	3.8300e-003		3.7100e-003	3.7100e-003	0.0000	8.6028	8.6028	1.2500e-003	0.0000	8.6341
Total	7.8000e-003	0.0617	0.0644	1.0000e-004		3.8300e-003	3.8300e-003		3.7100e-003	3.7100e-003	0.0000	8.6028	8.6028	1.2500e-003	0.0000	8.6341

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.2300e-003	0.1265	0.0336	3.0000e-004	7.3700e-003	6.2000e-004	7.9800e-003	2.1300e-003	5.9000e-004	2.7200e-003	0.0000	29.2886	29.2886	2.2400e-003	0.0000	29.3447
Worker	9.5500e-003	7.0700e-003	0.0693	2.1000e-004	0.0208	1.5000e-004	0.0209	5.5200e-003	1.4000e-004	5.6600e-003	0.0000	18.7743	18.7743	5.6000e-004	0.0000	18.7884
Total	0.0138	0.1336	0.1029	5.1000e-004	0.0281	7.7000e-004	0.0289	7.6500e-003	7.3000e-004	8.3800e-003	0.0000	48.0629	48.0629	2.8000e-003	0.0000	48.1331

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3.13 Building Construction-Phase II-2 - 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	6.8900e-003	0.0556	0.0629	1.0000e-004		3.2300e-003	3.2300e-003		3.1300e-003	3.1300e-003	0.0000	8.4871	8.4871	1.1900e-003	0.0000	8.5169
Total	6.8900e-003	0.0556	0.0629	1.0000e-004		3.2300e-003	3.2300e-003		3.1300e-003	3.1300e-003	0.0000	8.4871	8.4871	1.1900e-003	0.0000	8.5169

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3900e-003	0.1125	0.0300	2.9000e-004	7.2700e-003	2.4000e-004	7.5100e-003	2.1000e-003	2.3000e-004	2.3300e-003	0.0000	28.6277	28.6277	2.1200e-003	0.0000	28.6808
Worker	8.8800e-003	6.3400e-003	0.0638	2.0000e-004	0.0205	1.4000e-004	0.0206	5.4400e-003	1.3000e-004	5.5800e-003	0.0000	17.8984	17.8984	5.1000e-004	0.0000	17.9112
Total	0.0123	0.1189	0.0938	4.9000e-004	0.0278	3.8000e-004	0.0281	7.5400e-003	3.6000e-004	7.9100e-003	0.0000	46.5260	46.5260	2.6300e-003	0.0000	46.5920

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3.13 Building Construction-Phase II-2 - 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	6.8900e-003	0.0556	0.0629	1.0000e-004		3.2300e-003	3.2300e-003		3.1300e-003	3.1300e-003	0.0000	8.4871	8.4871	1.1900e-003	0.0000	8.5169
Total	6.8900e-003	0.0556	0.0629	1.0000e-004		3.2300e-003	3.2300e-003		3.1300e-003	3.1300e-003	0.0000	8.4871	8.4871	1.1900e-003	0.0000	8.5169

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3900e-003	0.1125	0.0300	2.9000e-004	7.2700e-003	2.4000e-004	7.5100e-003	2.1000e-003	2.3000e-004	2.3300e-003	0.0000	28.6277	28.6277	2.1200e-003	0.0000	28.6808
Worker	8.8800e-003	6.3400e-003	0.0638	2.0000e-004	0.0205	1.4000e-004	0.0206	5.4400e-003	1.3000e-004	5.5800e-003	0.0000	17.8984	17.8984	5.1000e-004	0.0000	17.9112
Total	0.0123	0.1189	0.0938	4.9000e-004	0.0278	3.8000e-004	0.0281	7.5400e-003	3.6000e-004	7.9100e-003	0.0000	46.5260	46.5260	2.6300e-003	0.0000	46.5920

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3.14 Building Construction-Phase III-2 - 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	0.0135	0.1089	0.1233	2.0000e-004		6.3300e-003	6.3300e-003		6.1300e-003	6.1300e-003	0.0000	16.6255	16.6255	2.3400e-003	0.0000	16.6839
Total	0.0135	0.1089	0.1233	2.0000e-004		6.3300e-003	6.3300e-003		6.1300e-003	6.1300e-003	0.0000	16.6255	16.6255	2.3400e-003	0.0000	16.6839

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6300e-003	0.2204	0.0588	5.7000e-004	0.0142	4.7000e-004	0.0147	4.1100e-003	4.5000e-004	4.5600e-003	0.0000	56.0789	56.0789	4.1600e-003	0.0000	56.1829
Worker	0.0224	0.0160	0.1608	5.0000e-004	0.0516	3.7000e-004	0.0520	0.0137	3.4000e-004	0.0141	0.0000	45.0786	45.0786	1.2900e-003	0.0000	45.1109
Total	0.0290	0.2364	0.2196	1.0700e-003	0.0658	8.4000e-004	0.0667	0.0178	7.9000e-004	0.0186	0.0000	101.1575	101.1575	5.4500e-003	0.0000	101.2939

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3.14 Building Construction-Phase III-2 - 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	0.0135	0.1089	0.1233	2.0000e-004		6.3300e-003	6.3300e-003		6.1300e-003	6.1300e-003	0.0000	16.6255	16.6255	2.3400e-003	0.0000	16.6838
Total	0.0135	0.1089	0.1233	2.0000e-004		6.3300e-003	6.3300e-003		6.1300e-003	6.1300e-003	0.0000	16.6255	16.6255	2.3400e-003	0.0000	16.6838

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6300e-003	0.2204	0.0588	5.7000e-004	0.0142	4.7000e-004	0.0147	4.1100e-003	4.5000e-004	4.5600e-003	0.0000	56.0789	56.0789	4.1600e-003	0.0000	56.1829
Worker	0.0224	0.0160	0.1608	5.0000e-004	0.0516	3.7000e-004	0.0520	0.0137	3.4000e-004	0.0141	0.0000	45.0786	45.0786	1.2900e-003	0.0000	45.1109
Total	0.0290	0.2364	0.2196	1.0700e-003	0.0658	8.4000e-004	0.0667	0.0178	7.9000e-004	0.0186	0.0000	101.1575	101.1575	5.4500e-003	0.0000	101.2939

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3.15 Architectural Coating-Phase II - 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	0.1419					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0217	0.1512	0.1799	2.9000e-004		9.3200e-003	9.3200e-003		9.3200e-003	9.3200e-003	0.0000	25.2772	25.2772	1.7300e-003	0.0000	25.3206
Total	0.1636	0.1512	0.1799	2.9000e-004		9.3200e-003	9.3200e-003		9.3200e-003	9.3200e-003	0.0000	25.2772	25.2772	1.7300e-003	0.0000	25.3206

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-004	6.7800e-003	1.8100e-003	2.0000e-005	4.4000e-004	1.0000e-005	4.5000e-004	1.3000e-004	1.0000e-005	1.4000e-004	0.0000	1.7255	1.7255	1.3000e-004	0.0000	1.7287
Worker	1.8400e-003	1.3100e-003	0.0132	4.0000e-005	4.2300e-003	3.0000e-005	4.2600e-003	1.1300e-003	3.0000e-005	1.1500e-003	0.0000	3.6988	3.6988	1.1000e-004	0.0000	3.7014
Total	2.0400e-003	8.0900e-003	0.0150	6.0000e-005	4.6700e-003	4.0000e-005	4.7100e-003	1.2600e-003	4.0000e-005	1.2900e-003	0.0000	5.4243	5.4243	2.4000e-004	0.0000	5.4301

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3.15 Architectural Coating-Phase II - 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	0.1419					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0217	0.1512	0.1799	2.9000e-004		9.3200e-003	9.3200e-003		9.3200e-003	9.3200e-003	0.0000	25.2772	25.2772	1.7300e-003	0.0000	25.3206
Total	0.1636	0.1512	0.1799	2.9000e-004		9.3200e-003	9.3200e-003		9.3200e-003	9.3200e-003	0.0000	25.2772	25.2772	1.7300e-003	0.0000	25.3206

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-004	6.7800e-003	1.8100e-003	2.0000e-005	4.4000e-004	1.0000e-005	4.5000e-004	1.3000e-004	1.0000e-005	1.4000e-004	0.0000	1.7255	1.7255	1.3000e-004	0.0000	1.7287
Worker	1.8400e-003	1.3100e-003	0.0132	4.0000e-005	4.2300e-003	3.0000e-005	4.2600e-003	1.1300e-003	3.0000e-005	1.1500e-003	0.0000	3.6988	3.6988	1.1000e-004	0.0000	3.7014
Total	2.0400e-003	8.0900e-003	0.0150	6.0000e-005	4.6700e-003	4.0000e-005	4.7100e-003	1.2600e-003	4.0000e-005	1.2900e-003	0.0000	5.4243	5.4243	2.4000e-004	0.0000	5.4301

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3.16 Paving-Phase II - 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	0.0130	0.1292	0.1506	2.1000e-004		7.8300e-003	7.8300e-003		7.2000e-003	7.2000e-003	0.0000	18.0861	18.0861	5.8500e-003	0.0000	18.2324
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0130	0.1292	0.1506	2.1000e-004		7.8300e-003	7.8300e-003		7.2000e-003	7.2000e-003	0.0000	18.0861	18.0861	5.8500e-003	0.0000	18.2324

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6000e-004	0.0121	3.2300e-003	3.0000e-005	7.8000e-004	3.0000e-005	8.1000e-004	2.3000e-004	2.0000e-005	2.5000e-004	0.0000	3.0850	3.0850	2.3000e-004	0.0000	3.0907
Worker	2.4600e-003	1.7600e-003	0.0177	5.0000e-005	5.6800e-003	4.0000e-005	5.7200e-003	1.5100e-003	4.0000e-005	1.5500e-003	0.0000	4.9597	4.9597	1.4000e-004	0.0000	4.9633
Total	2.8200e-003	0.0139	0.0209	8.0000e-005	6.4600e-003	7.0000e-005	6.5300e-003	1.7400e-003	6.0000e-005	1.8000e-003	0.0000	8.0447	8.0447	3.7000e-004	0.0000	8.0540

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3.16 Paving-Phase II - 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	0.0130	0.1292	0.1506	2.1000e-004		7.8300e-003	7.8300e-003		7.2000e-003	7.2000e-003	0.0000	18.0861	18.0861	5.8500e-003	0.0000	18.2324
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0130	0.1292	0.1506	2.1000e-004		7.8300e-003	7.8300e-003		7.2000e-003	7.2000e-003	0.0000	18.0861	18.0861	5.8500e-003	0.0000	18.2324

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6000e-004	0.0121	3.2300e-003	3.0000e-005	7.8000e-004	3.0000e-005	8.1000e-004	2.3000e-004	2.0000e-005	2.5000e-004	0.0000	3.0850	3.0850	2.3000e-004	0.0000	3.0907
Worker	2.4600e-003	1.7600e-003	0.0177	5.0000e-005	5.6800e-003	4.0000e-005	5.7200e-003	1.5100e-003	4.0000e-005	1.5500e-003	0.0000	4.9597	4.9597	1.4000e-004	0.0000	4.9633
Total	2.8200e-003	0.0139	0.0209	8.0000e-005	6.4600e-003	7.0000e-005	6.5300e-003	1.7400e-003	6.0000e-005	1.8000e-003	0.0000	8.0447	8.0447	3.7000e-004	0.0000	8.0540

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3.17 Grading-Phase III - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1121	0.0000	0.1121	0.0391	0.0000	0.0391	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0515	0.5432	0.3775	9.8000e-004		0.0217	0.0217		0.0199	0.0199	0.0000	85.7688	85.7688	0.0277	0.0000	86.4623
Total	0.0515	0.5432	0.3775	9.8000e-004	0.1121	0.0217	0.1338	0.0391	0.0199	0.0590	0.0000	85.7688	85.7688	0.0277	0.0000	86.4623

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6600e-003	0.0645	0.0191	2.2000e-004	4.5900e-003	9.0000e-005	4.6800e-003	1.2600e-003	8.0000e-005	1.3500e-003	0.0000	21.9452	21.9452	2.1100e-003	0.0000	21.9979
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.4000e-004	5.6000e-004	5.8100e-003	2.0000e-005	2.1700e-003	1.0000e-005	2.1800e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.7525	1.7525	5.0000e-005	0.0000	1.7536
Total	2.5000e-003	0.0650	0.0249	2.4000e-004	6.7600e-003	1.0000e-004	6.8600e-003	1.8400e-003	9.0000e-005	1.9400e-003	0.0000	23.6977	23.6977	2.1600e-003	0.0000	23.7515

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3.17 Grading-Phase III - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0505	0.0000	0.0505	0.0176	0.0000	0.0176	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0515	0.5432	0.3775	9.8000e-004		0.0217	0.0217		0.0199	0.0199	0.0000	85.7687	85.7687	0.0277	0.0000	86.4622
Total	0.0515	0.5432	0.3775	9.8000e-004	0.0505	0.0217	0.0721	0.0176	0.0199	0.0375	0.0000	85.7687	85.7687	0.0277	0.0000	86.4622

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6600e-003	0.0645	0.0191	2.2000e-004	4.5900e-003	9.0000e-005	4.6800e-003	1.2600e-003	8.0000e-005	1.3500e-003	0.0000	21.9452	21.9452	2.1100e-003	0.0000	21.9979
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.4000e-004	5.6000e-004	5.8100e-003	2.0000e-005	2.1700e-003	1.0000e-005	2.1800e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.7525	1.7525	5.0000e-005	0.0000	1.7536
Total	2.5000e-003	0.0650	0.0249	2.4000e-004	6.7600e-003	1.0000e-004	6.8600e-003	1.8400e-003	9.0000e-005	1.9400e-003	0.0000	23.6977	23.6977	2.1600e-003	0.0000	23.7515

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3.18 Trenching-Phase III - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.5300e-003	0.0372	0.0782	1.2000e-004		1.8200e-003	1.8200e-003		1.6700e-003	1.6700e-003	0.0000	10.8885	10.8885	3.5200e-003	0.0000	10.9766
Total	4.5300e-003	0.0372	0.0782	1.2000e-004		1.8200e-003	1.8200e-003		1.6700e-003	1.6700e-003	0.0000	10.8885	10.8885	3.5200e-003	0.0000	10.9766

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.6600e-003	1.1300e-003	1.0000e-005	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	1.2117	1.2117	8.0000e-005	0.0000	1.2138
Worker	5.2000e-004	3.5000e-004	3.6100e-003	1.0000e-005	1.3500e-003	1.0000e-005	1.3600e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.0904	1.0904	3.0000e-005	0.0000	1.0911
Total	6.3000e-004	4.0100e-003	4.7400e-003	2.0000e-005	1.6700e-003	1.0000e-005	1.6800e-003	4.5000e-004	1.0000e-005	4.7000e-004	0.0000	2.3022	2.3022	1.1000e-004	0.0000	2.3049

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3.18 Trenching-Phase III - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.5300e-003	0.0372	0.0782	1.2000e-004		1.8200e-003	1.8200e-003		1.6700e-003	1.6700e-003	0.0000	10.8885	10.8885	3.5200e-003	0.0000	10.9765
Total	4.5300e-003	0.0372	0.0782	1.2000e-004		1.8200e-003	1.8200e-003		1.6700e-003	1.6700e-003	0.0000	10.8885	10.8885	3.5200e-003	0.0000	10.9765

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.6600e-003	1.1300e-003	1.0000e-005	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	1.2117	1.2117	8.0000e-005	0.0000	1.2138
Worker	5.2000e-004	3.5000e-004	3.6100e-003	1.0000e-005	1.3500e-003	1.0000e-005	1.3600e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.0904	1.0904	3.0000e-005	0.0000	1.0911
Total	6.3000e-004	4.0100e-003	4.7400e-003	2.0000e-005	1.6700e-003	1.0000e-005	1.6800e-003	4.5000e-004	1.0000e-005	4.7000e-004	0.0000	2.3022	2.3022	1.1000e-004	0.0000	2.3049

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3.19 Building Construction-Phase I-3 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0161	0.1723	0.0958	2.6000e-004		7.5600e-003	7.5600e-003		6.9600e-003	6.9600e-003	0.0000	23.0197	23.0197	7.4500e-003	0.0000	23.2059
Total	0.0161	0.1723	0.0958	2.6000e-004		7.5600e-003	7.5600e-003		6.9600e-003	6.9600e-003	0.0000	23.0197	23.0197	7.4500e-003	0.0000	23.2059

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0200e-003	0.0695	0.0216	2.4000e-004	6.0500e-003	8.0000e-005	6.1400e-003	1.7500e-003	8.0000e-005	1.8300e-003	0.0000	23.0230	23.0230	1.5700e-003	0.0000	23.0621
Worker	0.0521	0.0345	0.3597	1.2000e-003	0.1341	9.1000e-004	0.1350	0.0356	8.4000e-004	0.0365	0.0000	108.5237	108.5237	2.8100e-003	0.0000	108.5940
Total	0.0542	0.1041	0.3812	1.4400e-003	0.1401	9.9000e-004	0.1411	0.0374	9.2000e-004	0.0383	0.0000	131.5467	131.5467	4.3800e-003	0.0000	131.6562

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3.19 Building Construction-Phase I-3 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0161	0.1723	0.0958	2.6000e-004		7.5600e-003	7.5600e-003		6.9600e-003	6.9600e-003	0.0000	23.0197	23.0197	7.4500e-003	0.0000	23.2058
Total	0.0161	0.1723	0.0958	2.6000e-004		7.5600e-003	7.5600e-003		6.9600e-003	6.9600e-003	0.0000	23.0197	23.0197	7.4500e-003	0.0000	23.2058

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0200e-003	0.0695	0.0216	2.4000e-004	6.0500e-003	8.0000e-005	6.1400e-003	1.7500e-003	8.0000e-005	1.8300e-003	0.0000	23.0230	23.0230	1.5700e-003	0.0000	23.0621
Worker	0.0521	0.0345	0.3597	1.2000e-003	0.1341	9.1000e-004	0.1350	0.0356	8.4000e-004	0.0365	0.0000	108.5237	108.5237	2.8100e-003	0.0000	108.5940
Total	0.0542	0.1041	0.3812	1.4400e-003	0.1401	9.9000e-004	0.1411	0.0374	9.2000e-004	0.0383	0.0000	131.5467	131.5467	4.3800e-003	0.0000	131.6562

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3.20 Building Construction-Phase II-3 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0106	0.1134	0.0630	1.7000e-004		4.9700e-003	4.9700e-003		4.5800e-003	4.5800e-003	0.0000	15.1446	15.1446	4.9000e-003	0.0000	15.2670
Total	0.0106	0.1134	0.0630	1.7000e-004		4.9700e-003	4.9700e-003		4.5800e-003	4.5800e-003	0.0000	15.1446	15.1446	4.9000e-003	0.0000	15.2670

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3300e-003	0.0457	0.0142	1.5000e-004	3.9800e-003	5.0000e-005	4.0400e-003	1.1500e-003	5.0000e-005	1.2000e-003	0.0000	15.1467	15.1467	1.0300e-003	0.0000	15.1725
Worker	0.0187	0.0124	0.1291	4.3000e-004	0.0481	3.3000e-004	0.0484	0.0128	3.0000e-004	0.0131	0.0000	38.9439	38.9439	1.0100e-003	0.0000	38.9692
Total	0.0200	0.0581	0.1432	5.8000e-004	0.0521	3.8000e-004	0.0525	0.0139	3.5000e-004	0.0143	0.0000	54.0906	54.0906	2.0400e-003	0.0000	54.1416

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3.20 Building Construction-Phase II-3 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0106	0.1134	0.0630	1.7000e-004		4.9700e-003	4.9700e-003		4.5800e-003	4.5800e-003	0.0000	15.1445	15.1445	4.9000e-003	0.0000	15.2670
Total	0.0106	0.1134	0.0630	1.7000e-004		4.9700e-003	4.9700e-003		4.5800e-003	4.5800e-003	0.0000	15.1445	15.1445	4.9000e-003	0.0000	15.2670

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3300e-003	0.0457	0.0142	1.5000e-004	3.9800e-003	5.0000e-005	4.0400e-003	1.1500e-003	5.0000e-005	1.2000e-003	0.0000	15.1467	15.1467	1.0300e-003	0.0000	15.1725
Worker	0.0187	0.0124	0.1291	4.3000e-004	0.0481	3.3000e-004	0.0484	0.0128	3.0000e-004	0.0131	0.0000	38.9439	38.9439	1.0100e-003	0.0000	38.9692
Total	0.0200	0.0581	0.1432	5.8000e-004	0.0521	3.8000e-004	0.0525	0.0139	3.5000e-004	0.0143	0.0000	54.0906	54.0906	2.0400e-003	0.0000	54.1416

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3.20 Building Construction-Phase II-3 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.3900e-003	0.0666	0.0393	1.1000e-004		2.8900e-003	2.8900e-003		2.6600e-003	2.6600e-003	0.0000	9.6923	9.6923	3.1300e-003	0.0000	9.7707
Total	6.3900e-003	0.0666	0.0393	1.1000e-004		2.8900e-003	2.8900e-003		2.6600e-003	2.6600e-003	0.0000	9.6923	9.6923	3.1300e-003	0.0000	9.7707

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.2000e-004	0.0289	8.7900e-003	1.0000e-004	2.5500e-003	3.0000e-005	2.5800e-003	7.4000e-004	3.0000e-005	7.7000e-004	0.0000	9.6323	9.6323	6.5000e-004	0.0000	9.6486
Worker	0.0114	7.2700e-003	0.0771	2.6000e-004	0.0308	2.1000e-004	0.0310	8.1800e-003	1.9000e-004	8.3700e-003	0.0000	23.9429	23.9429	5.9000e-004	0.0000	23.9577
Total	0.0122	0.0361	0.0859	3.6000e-004	0.0333	2.4000e-004	0.0336	8.9200e-003	2.2000e-004	9.1400e-003	0.0000	33.5752	33.5752	1.2400e-003	0.0000	33.6063

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3.20 Building Construction-Phase II-3 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.3900e-003	0.0666	0.0393	1.1000e-004		2.8900e-003	2.8900e-003		2.6600e-003	2.6600e-003	0.0000	9.6923	9.6923	3.1300e-003	0.0000	9.7707
Total	6.3900e-003	0.0666	0.0393	1.1000e-004		2.8900e-003	2.8900e-003		2.6600e-003	2.6600e-003	0.0000	9.6923	9.6923	3.1300e-003	0.0000	9.7707

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.2000e-004	0.0289	8.7900e-003	1.0000e-004	2.5500e-003	3.0000e-005	2.5800e-003	7.4000e-004	3.0000e-005	7.7000e-004	0.0000	9.6323	9.6323	6.5000e-004	0.0000	9.6486
Worker	0.0114	7.2700e-003	0.0771	2.6000e-004	0.0308	2.1000e-004	0.0310	8.1800e-003	1.9000e-004	8.3700e-003	0.0000	23.9429	23.9429	5.9000e-004	0.0000	23.9577
Total	0.0122	0.0361	0.0859	3.6000e-004	0.0333	2.4000e-004	0.0336	8.9200e-003	2.2000e-004	9.1400e-003	0.0000	33.5752	33.5752	1.2400e-003	0.0000	33.6063

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3.21 Building Construction-Phase III-3 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0560	0.5858	0.3309	9.7000e-004		0.0251	0.0251		0.0231	0.0231	0.0000	85.0649	85.0649	0.0275	0.0000	85.7527
Total	0.0560	0.5858	0.3309	9.7000e-004		0.0251	0.0251		0.0231	0.0231	0.0000	85.0649	85.0649	0.0275	0.0000	85.7527

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0800e-003	0.1786	0.0544	6.1000e-004	0.0158	2.1000e-004	0.0160	4.5500e-003	2.0000e-004	4.7600e-003	0.0000	59.5997	59.5997	4.0300e-003	0.0000	59.7004
Worker	0.1409	0.0900	0.9546	3.2800e-003	0.3811	2.5400e-003	0.3836	0.1013	2.3400e-003	0.1036	0.0000	296.2932	296.2932	7.3400e-003	0.0000	296.4767
Total	0.1460	0.2686	1.0090	3.8900e-003	0.3968	2.7500e-003	0.3996	0.1058	2.5400e-003	0.1084	0.0000	355.8929	355.8929	0.0114	0.0000	356.1772

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3.21 Building Construction-Phase III-3 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0560	0.5858	0.3309	9.7000e-004		0.0251	0.0251		0.0231	0.0231	0.0000	85.0648	85.0648	0.0275	0.0000	85.7526
Total	0.0560	0.5858	0.3309	9.7000e-004		0.0251	0.0251		0.0231	0.0231	0.0000	85.0648	85.0648	0.0275	0.0000	85.7526

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0800e-003	0.1786	0.0544	6.1000e-004	0.0158	2.1000e-004	0.0160	4.5500e-003	2.0000e-004	4.7600e-003	0.0000	59.5997	59.5997	4.0300e-003	0.0000	59.7004
Worker	0.1409	0.0900	0.9546	3.2800e-003	0.3811	2.5400e-003	0.3836	0.1013	2.3400e-003	0.1036	0.0000	296.2932	296.2932	7.3400e-003	0.0000	296.4767
Total	0.1460	0.2686	1.0090	3.8900e-003	0.3968	2.7500e-003	0.3996	0.1058	2.5400e-003	0.1084	0.0000	355.8929	355.8929	0.0114	0.0000	356.1772

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3.22 Paving-Phase III - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.7400e-003	0.0766	0.1136	1.6000e-004		3.7300e-003	3.7300e-003		3.4300e-003	3.4300e-003	0.0000	13.8066	13.8066	4.4700e-003	0.0000	13.9182
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.7400e-003	0.0766	0.1136	1.6000e-004		3.7300e-003	3.7300e-003		3.4300e-003	3.4300e-003	0.0000	13.8066	13.8066	4.4700e-003	0.0000	13.9182

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.9000e-004	0.0244	7.4100e-003	8.0000e-005	2.1500e-003	3.0000e-005	2.1800e-003	6.2000e-004	3.0000e-005	6.5000e-004	0.0000	8.1272	8.1272	5.5000e-004	0.0000	8.1410
Worker	4.8000e-003	3.0700e-003	0.0325	1.1000e-004	0.0130	9.0000e-005	0.0131	3.4500e-003	8.0000e-005	3.5300e-003	0.0000	10.1009	10.1009	2.5000e-004	0.0000	10.1072
Total	5.4900e-003	0.0274	0.0400	1.9000e-004	0.0151	1.2000e-004	0.0153	4.0700e-003	1.1000e-004	4.1800e-003	0.0000	18.2281	18.2281	8.0000e-004	0.0000	18.2481

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3.22 Paving-Phase III - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.7400e-003	0.0766	0.1136	1.6000e-004		3.7300e-003	3.7300e-003		3.4300e-003	3.4300e-003	0.0000	13.8066	13.8066	4.4700e-003	0.0000	13.9182
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.7400e-003	0.0766	0.1136	1.6000e-004		3.7300e-003	3.7300e-003		3.4300e-003	3.4300e-003	0.0000	13.8066	13.8066	4.4700e-003	0.0000	13.9182

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.9000e-004	0.0244	7.4100e-003	8.0000e-005	2.1500e-003	3.0000e-005	2.1800e-003	6.2000e-004	3.0000e-005	6.5000e-004	0.0000	8.1272	8.1272	5.5000e-004	0.0000	8.1410
Worker	4.8000e-003	3.0700e-003	0.0325	1.1000e-004	0.0130	9.0000e-005	0.0131	3.4500e-003	8.0000e-005	3.5300e-003	0.0000	10.1009	10.1009	2.5000e-004	0.0000	10.1072
Total	5.4900e-003	0.0274	0.0400	1.9000e-004	0.0151	1.2000e-004	0.0153	4.0700e-003	1.1000e-004	4.1800e-003	0.0000	18.2281	18.2281	8.0000e-004	0.0000	18.2481

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3.23 Architectural Coating-Phase III - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1419					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0239	0.1609	0.2389	3.9000e-004		8.0400e-003	8.0400e-003		8.0400e-003	8.0400e-003	0.0000	33.7030	33.7030	1.9000e-003	0.0000	33.7504
Total	0.1658	0.1609	0.2389	3.9000e-004		8.0400e-003	8.0400e-003		8.0400e-003	8.0400e-003	0.0000	33.7030	33.7030	1.9000e-003	0.0000	33.7504

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4000e-004	4.9600e-003	1.5100e-003	2.0000e-005	4.4000e-004	1.0000e-005	4.4000e-004	1.3000e-004	1.0000e-005	1.3000e-004	0.0000	1.6556	1.6556	1.1000e-004	0.0000	1.6584
Worker	2.3500e-003	1.5000e-003	0.0159	5.0000e-005	6.3500e-003	4.0000e-005	6.3900e-003	1.6900e-003	4.0000e-005	1.7300e-003	0.0000	4.9382	4.9382	1.2000e-004	0.0000	4.9413
Total	2.4900e-003	6.4600e-003	0.0174	7.0000e-005	6.7900e-003	5.0000e-005	6.8300e-003	1.8200e-003	5.0000e-005	1.8600e-003	0.0000	6.5938	6.5938	2.3000e-004	0.0000	6.5996

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3.23 Architectural Coating-Phase III - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1419					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0239	0.1609	0.2389	3.9000e-004		8.0400e-003	8.0400e-003		8.0400e-003	8.0400e-003	0.0000	33.7029	33.7029	1.9000e-003	0.0000	33.7504
Total	0.1658	0.1609	0.2389	3.9000e-004		8.0400e-003	8.0400e-003		8.0400e-003	8.0400e-003	0.0000	33.7029	33.7029	1.9000e-003	0.0000	33.7504

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4000e-004	4.9600e-003	1.5100e-003	2.0000e-005	4.4000e-004	1.0000e-005	4.4000e-004	1.3000e-004	1.0000e-005	1.3000e-004	0.0000	1.6556	1.6556	1.1000e-004	0.0000	1.6584
Worker	2.3500e-003	1.5000e-003	0.0159	5.0000e-005	6.3500e-003	4.0000e-005	6.3900e-003	1.6900e-003	4.0000e-005	1.7300e-003	0.0000	4.9382	4.9382	1.2000e-004	0.0000	4.9413
Total	2.4900e-003	6.4600e-003	0.0174	7.0000e-005	6.7900e-003	5.0000e-005	6.8300e-003	1.8200e-003	5.0000e-005	1.8600e-003	0.0000	6.5938	6.5938	2.3000e-004	0.0000	6.5996

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	1.6754	6.0656	15.1903	0.0358	1.7318	0.0443	1.7761	0.4841	0.0418	0.5258	0.0000	3,288.3025	3,288.3025	0.2272	0.0000	3,293.9819
Unmitigated	1.6754	6.0656	15.1903	0.0358	1.7318	0.0443	1.7761	0.4841	0.0418	0.5258	0.0000	3,288.3025	3,288.3025	0.2272	0.0000	3,293.9819

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	1,541.05	0.00	0.00	1,362,288	1,362,288
Apartments High Rise	1,622.82	0.00	0.00	1,434,573	1,434,573
Apartments Mid Rise	1,566.21	0.00	0.00	1,384,530	1,384,530
Quality Restaurant	0.00	0.00	0.00		
Total	4,730.08	0.00	0.00	4,181,391	4,181,391

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 High Rise	0.00	0.00	3.40	0.00	0.00	100.00	100	0	0
Apartments High Rise	0.00	0.00	3.40	0.00	0.00	100.00	100	0	0
Apartments Mid Rise	0.00	0.00	3.40	0.00	0.00	100.00	100	0	0
Quality Restaurant	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Quality Restaurant	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452
Apartments High Rise	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452
Apartments High Rise	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452
Apartments Mid Rise	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452
Recreational Swimming Pool	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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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	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.5186	4.4501	2.0239	0.0283		0.3583	0.3583		0.3583	0.3583	0.0000	5,131.8814	5,131.8814	0.0984	0.0941	5,162.3776
NaturalGas Unmitigated	0.5186	4.4501	2.0239	0.0283		0.3583	0.3583		0.3583	0.3583	0.0000	5,131.8814	5,131.8814	0.0984	0.0941	5,162.3776

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 High Rise	3.0692e+007	0.1655	1.4142	0.6018	9.0300e-003		0.1143	0.1143		0.1143	0.1143	0.0000	1,637.8432	1,637.8432	0.0314	0.0300	1,647.5761
Apartments High Rise	2.91455e+007	0.1572	1.3430	0.5715	8.5700e-003		0.1086	0.1086		0.1086	0.1086	0.0000	1,555.3163	1,555.3163	0.0298	0.0285	1,564.5587
Apartments Mid Rise	2.99188e+007	0.1613	1.3786	0.5866	8.8000e-003		0.1115	0.1115		0.1115	0.1115	0.0000	1,596.5797	1,596.5797	0.0306	0.0293	1,606.0674
Quality Restaurant	6.4115e+006	0.0346	0.3143	0.2640	1.8900e-003		0.0239	0.0239		0.0239	0.0239	0.0000	342.1422	342.1422	6.5600e-003	6.2700e-003	344.1754
Total		0.5186	4.4501	2.0239	0.0283		0.3583	0.3583		0.3583	0.3583	0.0000	5,131.8814	5,131.8814	0.0984	0.0941	5,162.3777

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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 High Rise	2.91455e+007	0.1572	1.3430	0.5715	8.5700e-003		0.1086	0.1086		0.1086	0.1086	0.0000	1,555.3163	1,555.3163	0.0298	0.0285	1,564.5587
Apartments High Rise	3.0692e+007	0.1655	1.4142	0.6018	9.0300e-003		0.1143	0.1143		0.1143	0.1143	0.0000	1,637.8432	1,637.8432	0.0314	0.0300	1,647.5761
Apartments Mid Rise	2.99188e+007	0.1613	1.3786	0.5866	8.8000e-003		0.1115	0.1115		0.1115	0.1115	0.0000	1,596.5797	1,596.5797	0.0306	0.0293	1,606.0674
Quality Restaurant	6.4115e+006	0.0346	0.3143	0.2640	1.8900e-003		0.0239	0.0239		0.0239	0.0239	0.0000	342.1422	342.1422	6.5600e-003	6.2700e-003	344.1754
Total		0.5186	4.4501	2.0239	0.0283		0.3583	0.3583		0.3583	0.3583	0.0000	5,131.8814	5,131.8814	0.0984	0.0941	5,162.3777

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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 High Rise	1.27596e+007	0.0000	0.0000	0.0000	0.0000
Apartments High Rise	1.34367e+007	0.0000	0.0000	0.0000	0.0000
Apartments Mid Rise	1.30981e+007	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	882280	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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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 High Rise	1.27596e+007	0.0000	0.0000	0.0000	0.0000
Apartments High Rise	1.34367e+007	0.0000	0.0000	0.0000	0.0000
Apartments Mid Rise	1.30981e+007	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	882280	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

No Hearths Installed

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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	2.6137	0.0653	5.6234	2.9000e-004		0.0307	0.0307		0.0307	0.0307	0.0000	9.1213	9.1213	9.0400e-003	0.0000	9.3473
Unmitigated	2.6137	0.0653	5.6234	2.9000e-004		0.0307	0.0307		0.0307	0.0307	0.0000	9.1213	9.1213	9.0400e-003	0.0000	9.3473

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	0.0615					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3788					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	0.1734	0.0653	5.6234	2.9000e-004		0.0307	0.0307		0.0307	0.0307	0.0000	9.1213	9.1213	9.0400e-003	0.0000	9.3473
Total	2.6137	0.0653	5.6234	2.9000e-004		0.0307	0.0307		0.0307	0.0307	0.0000	9.1213	9.1213	9.0400e-003	0.0000	9.3473

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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	0.0615					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3788					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	0.1734	0.0653	5.6234	2.9000e-004		0.0307	0.0307		0.0307	0.0307	0.0000	9.1213	9.1213	9.0400e-003	0.0000	9.3473
Total	2.6137	0.0653	5.6234	2.9000e-004		0.0307	0.0307		0.0307	0.0307	0.0000	9.1213	9.1213	9.0400e-003	0.0000	9.3473

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	28.3600	2.9128	0.0688	121.6770
Unmitigated	28.3600	2.9128	0.0688	121.6770

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	59.2351 / 37.3439	18.7926	1.9302	0.0456	80.6286
Apartments Mid Rise	29.6176 / 18.6719	9.3963	0.9651	0.0228	40.3143
Quality Restaurant	0.539353 / 0.0344268	0.1711	0.0176	4.1000e-004	0.7342
Total		28.3600	2.9128	0.0688	121.6770

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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 High Rise	59.2351 / 37.3439	18.7926	1.9302	0.0456	80.6286
Apartments Mid Rise	29.6176 / 18.6719	9.3963	0.9651	0.0228	40.3143
Quality Restaurant	0.539353 / 0.0344268	0.1711	0.0176	4.1000e-004	0.7342
Total		28.3600	2.9128	0.0688	121.6770

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	14.6401	0.8652	0.0000	36.2703
Unmitigated	73.2006	4.3260	0.0000	181.3513

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	112.7	22.8771	1.3520	0.0000	56.6770
Apartments Mid Rise	233.22	47.3416	2.7978	0.0000	117.2867
Quality Restaurant	14.69	2.9819	0.1762	0.0000	7.3876
Total		73.2006	4.3260	0.0000	181.3513

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	22.54	4.5754	0.2704	0.0000	11.3354
Apartments Mid Rise	46.644	9.4683	0.5596	0.0000	23.4573
Quality Restaurant	2.938	0.5964	0.0353	0.0000	1.4775
Total		14.6401	0.8652	0.0000	36.2703

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
Emergency Generator	3	0.25	20	677	0.73	Diesel

Boilers

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

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Equipment Type	Number
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10.1 Stationary Sources

Unmitigated/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
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (600 - 750 HP)	0.0333	0.0932	0.0850	1.6000e-004		4.9000e-003	4.9000e-003		4.9000e-003	4.9000e-003	0.0000	15.4680	15.4680	2.1700e-003	0.0000	15.5222
Total	0.0333	0.0932	0.0850	1.6000e-004		4.9000e-003	4.9000e-003		4.9000e-003	4.9000e-003	0.0000	15.4680	15.4680	2.1700e-003	0.0000	15.5222

11.0 Vegetation

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Quality Restaurant	16.10	1000sqft	0.37	16,100.00	0
Apartments High Rise	245.00	Dwelling Unit	2.35	178,000.00	850
Apartments High Rise	258.00	Dwelling Unit	2.78	210,000.00	866
Apartments Mid Rise	249.00	Dwelling Unit	2.34	205,000.00	850
Recreational Swimming Pool	6.40	1000sqft	0.15	6,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2018
Utility Company	User Defined				
CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - GHG intensity based on SDSU provided energy mix.

Land Use - Based on data provided by SDSU. See Section 2.0 of the DEIR for more information.

Construction Phase - Based on data provided by SDSU. See Section 2.0 of the DEIR for more information.

Off-road Equipment - See Section 2.6.2 for Construction Details.

Off-road Equipment - See Section 2.6.2 for Construction Details.

Off-road Equipment - See Section 2.6.2 for Construction Details.

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Off-road Equipment - See Section 2.6.2 for Construction Details.

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Off-road Equipment - See Section 2.6.2 for Construction Details.

Off-road Equipment - See Section 2.6.2 for Construction Details.

Trips and VMT - See Section 2.6.2 for Construction Details.

On-road Fugitive Dust - CalEEMod defaults.

Demolition - No demolition of structures anticipated for this project.

Grading - See Section 2.6.2 for Construction Details.

Architectural Coating - No VOC paint used for interior. It was assumed 5 g/L to be conservative. No exterior architectural coating.

Vehicle Trips - Based on Traffic Impact Analysis, Linscott, Law & Greenspan, Engineers 2017.

Vehicle Emission Factors - CalEEMod defaults.

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Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Road Dust - CalEEMod defaults.

Woodstoves - No woodstoves or fireplaces.

Consumer Products - CalEEMod defaults.

Area Coating - The campus standard is a No VOC paint. It was conservatively assumed 5 g/L for interior and 50 g/L for exterior.

Landscape Equipment - CalEEMod defaults.

Energy Use - Based on energy usage from SDSU. See Section 2.0 of the DEIR for more information.

Water And Wastewater - Based on water usage from SDSU. See Section 2.0 of the DEIR for more information.

Solid Waste - CalEEMod defaults.

Land Use Change - Does not apply to this project.

Sequestration - Does not apply to this project.

Construction Off-road Equipment Mitigation - Fugitive dust mitigation in accordance with SDAPCD Rule 55.

Mobile Land Use Mitigation - No traffic mitigation.

Mobile Commute Mitigation - No commute mitigation.

Area Mitigation - The campus standard is a No VOC paint. It was conservatively assumed 5 g/L for interior and 50 g/L for exterior.

Energy Mitigation - No energy mitigation.

Water Mitigation - No water use mitigation.

Waste Mitigation - CSU Sustainability Policy goal of 80% diversion by 2020.

Stationary Sources - Emergency Generators and Fire Pumps - There is 1 emergency generator for each project phase.

Stationary Sources - Process Boilers - Does not apply to this project.

Stationary Sources - User Defined - Does not apply to this project.

Stationary Sources - Emergency Generators and Fire Pumps EF - CalEEMod defaults.

Stationary Sources - Process Boilers EF - Does not apply to this project.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	0.00

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tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	5.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	5.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	5.00
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	0.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	0.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	0.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	5.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	5.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	5.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	5
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	5
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tblEnergyUse	LightingElect	741.44	9,052.85
tblEnergyUse	LightingElect	741.44	9,143.74
tblEnergyUse	LightingElect	6.97	9.72
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tblEnergyUse	NT24E	3,277.06	40,414.03
tblEnergyUse	NT24E	23.69	33.04
tblEnergyUse	NT24NG	4,180.00	56,073.78
tblEnergyUse	NT24NG	4,180.00	56,636.77

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tblEnergyUse	NT24NG	138.46	315.87
tblEnergyUse	T24E	246.93	3,014.97
tblEnergyUse	T24E	246.93	3,045.24
tblEnergyUse	T24E	8.63	12.04
tblEnergyUse	T24NG	4,687.93	62,887.55
tblEnergyUse	T24NG	4,687.93	63,518.95
tblEnergyUse	T24NG	36.10	82.36
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	276.65	0.00
tblFireplaces	NumberGas	136.95	0.00
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tblFireplaces	NumberNoFireplace	24.90	0.00
tblFireplaces	NumberWood	176.05	0.00
tblFireplaces	NumberWood	87.15	0.00
tblGrading	AcresOfGrading	87.75	94.50
tblGrading	AcresOfGrading	74.25	94.50
tblGrading	AcresOfGrading	29.25	91.00
tblGrading	MaterialExported	0.00	3,111.00
tblGrading	MaterialImported	0.00	15,000.00
tblGrading	MaterialImported	0.00	30,209.00
tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	BuildingSpaceSquareFeet	245,000.00	178,000.00

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tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
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tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
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tblTripsAndVMT	HaulingTripNumber	1,875.00	1,071.00
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tblTripsAndVMT	VendorTripNumber	83.00	24.00
tblTripsAndVMT	VendorTripNumber	83.00	24.00
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tblTripsAndVMT	VendorTripNumber	0.00	2.00

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tblTripsAndVMT	VendorTripNumber	0.00	4.00
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tblTripsAndVMT	VendorTripNumber	83.00	10.00
tblTripsAndVMT	VendorTripNumber	83.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
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tblTripsAndVMT	WorkerTripNumber	548.00	440.00
tblTripsAndVMT	WorkerTripNumber	548.00	240.00
tblTripsAndVMT	WorkerTripNumber	548.00	480.00
tblTripsAndVMT	WorkerTripNumber	5.00	40.00
tblTripsAndVMT	WorkerTripNumber	110.00	24.00
tblTripsAndVMT	WorkerTripNumber	5.00	14.00
tblTripsAndVMT	WorkerTripNumber	548.00	60.00
tblTripsAndVMT	WorkerTripNumber	548.00	30.00
tblTripsAndVMT	WorkerTripNumber	548.00	60.00
tblTripsAndVMT	WorkerTripNumber	8.00	40.00
tblTripsAndVMT	WorkerTripNumber	110.00	24.00
tblTripsAndVMT	WorkerTripNumber	18.00	16.00

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tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TTP	69.00	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TTP	12.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	18.00	0.00
tblVehicleTrips	HO_TL	7.50	3.40
tblVehicleTrips	HO_TL	7.50	3.40
tblVehicleTrips	HO_TTP	39.60	100.00
tblVehicleTrips	HO_TTP	39.60	100.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TTP	18.80	0.00
tblVehicleTrips	HS_TTP	18.80	0.00
tblVehicleTrips	HW_TL	10.80	0.00
tblVehicleTrips	HW_TL	10.80	0.00
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tblVehicleTrips	PB_TP	44.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
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tblVehicleTrips	ST_TR	4.98	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	94.36	0.00
tblVehicleTrips	SU_TR	3.65	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	72.16	0.00
tblVehicleTrips	WD_TR	4.20	6.29
tblVehicleTrips	WD_TR	6.65	6.29
tblVehicleTrips	WD_TR	89.95	0.00
tblWater	IndoorWaterUseRate	32,772,474.89	59,235,120.00
tblWater	IndoorWaterUseRate	16,223,352.38	29,617,560.01
tblWater	IndoorWaterUseRate	4,886,892.77	539,353.20
tblWater	OutdoorWaterUseRate	20,660,908.08	37,343,880.00
tblWater	OutdoorWaterUseRate	10,227,765.63	18,671,939.99
tblWater	OutdoorWaterUseRate	311,929.33	34,426.80
tblWoodstoves	NumberCatalytic	25.15	0.00
tblWoodstoves	NumberCatalytic	12.45	0.00
tblWoodstoves	NumberNoncatalytic	25.15	0.00
tblWoodstoves	NumberNoncatalytic	12.45	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	10.3710	130.4019	64.1217	0.1456	9.5525	5.0772	14.6297	3.2220	4.6990	7.9210	0.0000	15,088.20 20	15,088.20 20	3.4719	0.0000	15,174.99 82
2018	4.3675	44.1277	32.1294	0.0795	0.9446	2.1183	3.0629	0.2552	2.0057	2.2609	0.0000	7,946.528 1	7,946.528 1	1.6501	0.0000	7,987.780 7
2019	8.7287	40.1310	34.6785	0.0791	1.2224	2.0171	3.2396	0.3289	1.9255	2.2544	0.0000	7,807.796 2	7,807.796 2	1.4539	0.0000	7,844.144 6
2020	2.6021	32.8082	17.5955	0.0484	7.1488	1.1587	8.3075	2.1649	1.0665	3.2314	0.0000	4,841.548 2	4,841.548 2	1.2251	0.0000	4,872.175 2
2021	6.1444	14.4426	16.6639	0.0390	1.3116	0.6513	1.9630	0.3534	0.6264	0.9798	0.0000	3,884.1137	3,884.1137	0.4177	0.0000	3,894.555 8
2023	3.9975	45.0265	29.7843	0.0903	8.8177	1.6111	10.4288	3.0340	1.4825	4.5164	0.0000	8,969.451 3	8,969.451 3	2.4377	0.0000	9,030.393 6
2024	7.4518	16.1562	25.7829	0.0739	4.6990	0.6210	5.3200	1.2516	0.5909	1.8425	0.0000	7,342.166 1	7,342.166 1	0.6509	0.0000	7,358.438 4
Maximum	10.3710	130.4019	64.1217	0.1456	9.5525	5.0772	14.6297	3.2220	4.6990	7.9210	0.0000	15,088.20 20	15,088.20 20	3.4719	0.0000	15,174.99 82

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	15.2980	0.7252	62.4820	3.2800e-003		0.3410	0.3410		0.3410	0.3410	0.0000	111.7163	111.7163	0.1107	0.0000	114.4843
Energy	2.8414	24.3842	11.0900	0.1550		1.9631	1.9631		1.9631	1.9631		30,996.8820	30,996.8820	0.5941	0.5683	31,181.0809
Mobile	13.6752	45.5378	114.7615	0.2876	13.6125	0.3390	13.9516	3.7951	0.3192	4.1143		29,129.7636	29,129.7636	1.9068		29,177.4334
Stationary	0.8333	2.3289	2.1246	4.0000e-003		0.1226	0.1226		0.1226	0.1226		426.2633	426.2633	0.0598		427.7574
Total	32.6478	72.9761	190.4582	0.4498	13.6125	2.7657	16.3783	3.7951	2.7459	6.5410	0.0000	60,664.6251	60,664.6251	2.6714	0.5683	60,900.7560

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

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	lb/day										lb/day					
Area	15.2980	0.7252	62.4820	3.2800e-003		0.3410	0.3410		0.3410	0.3410	0.0000	111.7163	111.7163	0.1107	0.0000	114.4843
Energy	2.8414	24.3842	11.0900	0.1550		1.9631	1.9631		1.9631	1.9631		30,996.8820	30,996.8820	0.5941	0.5683	31,181.0809
Mobile	13.6752	45.5378	114.7615	0.2876	13.6125	0.3390	13.9516	3.7951	0.3192	4.1143		29,129.7636	29,129.7636	1.9068		29,177.4334
Stationary	0.8333	2.3289	2.1246	4.0000e-003		0.1226	0.1226		0.1226	0.1226		426.2633	426.2633	0.0598		427.7574
Total	32.6478	72.9761	190.4582	0.4498	13.6125	2.7657	16.3783	3.7951	2.7459	6.5410	0.0000	60,664.6251	60,664.6251	2.6714	0.5683	60,900.7560

	ROG	NOx	CO	SO2	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

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition-Phase I	Demolition	11/8/2017	11/29/2017	5	16	
2	Grading-Phase I	Grading	11/15/2017	12/21/2017	5	27	
3	Trenching-Phase I	Trenching	12/22/2017	2/1/2018	5	30	
4	Building Construction-Phase I-1	Building Construction	1/9/2018	4/23/2018	5	75	
5	Building Construction-Phase II-1	Building Construction	4/23/2018	8/16/2018	5	84	
6	Building Construction-Phase III-1	Building Construction	8/27/2018	5/31/2019	5	200	
7	Paving-Phase I	Paving	2/8/2019	5/31/2019	5	81	
8	Architectural Coating-Phase I	Architectural Coating	3/1/2019	5/31/2019	5	66	
9	Grading-Phase II	Grading	5/15/2020	6/19/2020	5	26	
10	Trenching-Phase II	Trenching	6/21/2020	7/22/2020	5	23	
11	Building Construction-Phase I-2	Building Construction	7/9/2020	9/21/2020	5	53	
12	Building Construction-Phase II-2	Building Construction	9/21/2020	4/13/2021	5	147	
13	Building Construction-Phase III-2	Building Construction	5/13/2021	11/29/2021	5	143	
14	Architectural Coating-Phase II	Architectural Coating	8/29/2021	11/29/2021	5	66	
15	Paving-Phase II	Paving	9/8/2021	11/29/2021	5	59	
16	Grading-Phase III	Grading	5/15/2023	6/20/2023	5	27	
17	Trenching-Phase III	Trenching	6/21/2023	7/24/2023	5	24	
18	Building Construction-Phase I-3	Building Construction	7/9/2023	10/23/2023	5	76	
19	Building Construction-Phase II-3	Building Construction	10/21/2023	2/13/2024	5	82	
20	Building Construction-Phase III-3	Building Construction	2/24/2024	11/27/2024	5	198	
21	Paving-Phase III	Paving	8/7/2024	11/27/2024	5	81	
22	Architectural Coating-Phase III	Architectural Coating	8/28/2024	11/27/2024	5	66	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

Acres of Paving: 0

Residential Indoor: 1,200,825; Residential Outdoor: 400,275; Non-Residential Indoor: 24,150; Non-Residential Outdoor: 8,050; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
	Excavators	2	8.00	158	0.38
	Rubber Tired Loaders	1	8.00	203	0.36
Demolition-Phase I	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition-Phase I	Excavators	3	8.00	158	0.38
Demolition-Phase I	Rubber Tired Dozers	2	8.00	247	0.40
Grading-Phase I	Crawler Tractors	1	8.00	212	0.43
Grading-Phase I	Excavators	2	8.00	158	0.38
Grading-Phase I	Graders	1	4.00	187	0.41
Grading-Phase I	Rubber Tired Dozers	1	6.00	247	0.40
Grading-Phase I	Rubber Tired Loaders	1	4.00	203	0.36
Grading-Phase I	Scrapers	2	8.00	367	0.48
Trenching-Phase I	Excavators	2	8.00	158	0.38
Building Construction-Phase I-1	Bore/Drill Rigs	2	8.00	221	0.50
Building Construction-Phase I-1	Cranes	1	4.00	231	0.29
Building Construction-Phase I-1	Forklifts	1	2.00	89	0.20
Building Construction-Phase I-1	Generator Sets	1	8.00	84	0.74
Building Construction-Phase I-1	Pumps	1	3.00	84	0.74
Building Construction-Phase I-1	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction-Phase II-1	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction-Phase II-1	Cranes	1	2.00	231	0.29
Building Construction-Phase II-1	Forklifts	1	2.00	89	0.20
Building Construction-Phase II-1	Generator Sets	1	8.00	84	0.74

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

Building Construction-Phase II-1	Pumps	1	2.00	84	0.74
Building Construction-Phase II-1	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction-Phase III-1	Bore/Drill Rigs	2	8.00	221	0.50
Building Construction-Phase III-1	Cranes	1	4.00	231	0.29
Building Construction-Phase III-1	Forklifts	1	2.00	89	0.20
Building Construction-Phase III-1	Generator Sets	1	8.00	84	0.74
Building Construction-Phase III-1	Pumps	1	4.00	84	0.74
Building Construction-Phase III-1	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving-Phase I	Pavers	1	8.00	130	0.42
Paving-Phase I	Rollers	2	8.00	80	0.38
Architectural Coating-Phase I	Air Compressors	4	6.00	78	0.48
Grading-Phase II	Crawler Tractors	1	8.00	212	0.43
Grading-Phase II	Excavators	2	8.00	158	0.38
Grading-Phase II	Graders	1	2.00	187	0.41
Grading-Phase II	Rubber Tired Dozers	1	4.00	247	0.40
Grading-Phase II	Rubber Tired Loaders	1	4.00	203	0.36
Grading-Phase II	Scrapers	1	4.00	367	0.48
Trenching-Phase II	Excavators	2	8.00	158	0.38
Building Construction-Phase I-2	Forklifts	1	2.00	89	0.20
Building Construction-Phase I-2	Pumps	1	2.00	84	0.74
Building Construction-Phase I-2	Tractors/Loaders/Backhoes	1	1.00	97	0.37
Building Construction-Phase I-2	Welders	1	1.00	46	0.45
Building Construction-Phase II-2	Forklifts	1	2.00	89	0.20
Building Construction-Phase II-2	Pumps	1	2.00	84	0.74
Building Construction-Phase II-2	Tractors/Loaders/Backhoes	1	1.00	97	0.37
Building Construction-Phase II-2	Welders	1	1.00	46	0.45
Building Construction-Phase III-2	Forklifts	1	2.00	89	0.20

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

Building Construction-Phase III-2	Pumps	1	2.00	84	0.74
Building Construction-Phase III-2	Tractors/Loaders/Backhoes	1	1.00	97	0.37
Building Construction-Phase III-2	Welders	1	1.00	46	0.45
Architectural Coating-Phase II	Air Compressors	3	6.00	78	0.48
Paving-Phase II	Forklifts	1	4.00	89	0.20
Paving-Phase II	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading-Phase III	Crawler Tractors	2	8.00	212	0.43
Grading-Phase III	Excavators	2	8.00	158	0.38
Grading-Phase III	Graders	1	4.00	187	0.41
Grading-Phase III	Rubber Tired Dozers	1	6.00	247	0.40
Grading-Phase III	Rubber Tired Loaders	1	8.00	203	0.36
Grading-Phase III	Scrapers	2	8.00	367	0.48
Trenching-Phase III	Excavators	2	8.00	158	0.38
Building Construction-Phase I-3	Cranes	1	0.50	231	0.29
Building Construction-Phase I-3	Cranes	2	4.00	231	0.29
Building Construction-Phase I-3	Forklifts	1	4.00	89	0.20
Building Construction-Phase II-3	Cranes	1	0.50	231	0.29
Building Construction-Phase II-3	Cranes	2	4.00	231	0.29
Building Construction-Phase II-3	Forklifts	1	4.00	89	0.20
Building Construction-Phase III-3	Cranes	1	0.50	231	0.29
Building Construction-Phase III-3	Cranes	3	4.00	231	0.29
Building Construction-Phase III-3	Forklifts	1	4.00	89	0.20
Paving-Phase III	Forklifts	1	4.00	89	0.20
Paving-Phase III	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating-Phase III	Air Compressors	4	6.00	78	0.48

Trips and VMT

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition-Phase I	6	24.00	0.00	140.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase I	8	20.00	0.00	2,200.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Trenching-Phase I	2	14.00	4.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase I-1	8	60.00	20.00	10.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase II-1	7	30.00	10.00	10.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase III-1	8	60.00	20.00	10.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Paving-Phase I	3	40.00	8.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating-Phase I	4	24.00	2.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase II	7	16.00	0.00	715.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Trenching-Phase II	2	10.00	2.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase I-2	4	90.00	30.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase II-2	4	70.00	30.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase III-2	4	90.00	30.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating-Phase II	3	16.00	2.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Paving-Phase II	3	24.00	4.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase III	9	20.00	0.00	1,071.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Trenching-Phase III	2	14.00	4.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase I-3	4	440.00	24.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase II-3	4	240.00	24.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase III-3	5	480.00	24.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Paving-Phase III	2	40.00	8.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating-Phase III	4	24.00	2.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.2 Demolition-Phase I - 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	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425		3,924.2833	3,924.2833	1.0730		3,951.1070
Total	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425		3,924.2833	3,924.2833	1.0730		3,951.1070

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0573	1.9785	0.3723	4.0100e-003	0.0765	9.0800e-003	0.0856	0.0210	8.6900e-003	0.0297		434.9493	434.9493	0.0448		436.0692
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1128	0.0832	0.9264	2.2300e-003	0.1972	1.4500e-003	0.1986	0.0523	1.3400e-003	0.0536		221.5470	221.5470	8.2200e-003		221.7525
Total	0.1701	2.0617	1.2987	6.2400e-003	0.2737	0.0105	0.2842	0.0733	0.0100	0.0833		656.4962	656.4962	0.0530		657.8217

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.2 Demolition-Phase I - 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	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425	0.0000	3,924.2833	3,924.2833	1.0730		3,951.1070
Total	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425	0.0000	3,924.2833	3,924.2833	1.0730		3,951.1070

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0573	1.9785	0.3723	4.0100e-003	0.0765	9.0800e-003	0.0856	0.0210	8.6900e-003	0.0297		434.9493	434.9493	0.0448		436.0692
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1128	0.0832	0.9264	2.2300e-003	0.1972	1.4500e-003	0.1986	0.0523	1.3400e-003	0.0536		221.5470	221.5470	8.2200e-003		221.7525
Total	0.1701	2.0617	1.2987	6.2400e-003	0.2737	0.0105	0.2842	0.0733	0.0100	0.0833		656.4962	656.4962	0.0530		657.8217

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.3 Grading-Phase I - 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					8.4017	0.0000	8.4017	2.9097	0.0000	2.9097			0.0000			0.0000
Off-Road	5.4699	67.0993	35.5723	0.0613		2.7874	2.7874		2.5644	2.5644		6,272.4790	6,272.4790	1.9219		6,320.5259
Total	5.4699	67.0993	35.5723	0.0613	8.4017	2.7874	11.1891	2.9097	2.5644	5.4741		6,272.4790	6,272.4790	1.9219		6,320.5259

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5339	18.4240	3.4666	0.0374	0.7128	0.0846	0.7974	0.1954	0.0809	0.2763		4,050.3211	4,050.3211	0.4172		4,060.7500
Vendor	0.0000	0.0000	0.0000	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	0.0693	0.7720	1.8600e-003	0.1643	1.2100e-003	0.1655	0.0436	1.1200e-003	0.0447		184.6225	184.6225	6.8500e-003		184.7937
Total	0.6279	18.4934	4.2386	0.0392	0.8771	0.0858	0.9629	0.2390	0.0820	0.3210		4,234.9436	4,234.9436	0.4240		4,245.5437

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.3 Grading-Phase I - 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					3.7808	0.0000	3.7808	1.3094	0.0000	1.3094			0.0000			0.0000
Off-Road	5.4699	67.0993	35.5723	0.0613		2.7874	2.7874		2.5644	2.5644	0.0000	6,272.4790	6,272.4790	1.9219		6,320.5258
Total	5.4699	67.0993	35.5723	0.0613	3.7808	2.7874	6.5682	1.3094	2.5644	3.8738	0.0000	6,272.4790	6,272.4790	1.9219		6,320.5258

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5339	18.4240	3.4666	0.0374	0.7128	0.0846	0.7974	0.1954	0.0809	0.2763		4,050.3211	4,050.3211	0.4172		4,060.7500
Vendor	0.0000	0.0000	0.0000	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	0.0693	0.7720	1.8600e-003	0.1643	1.2100e-003	0.1655	0.0436	1.1200e-003	0.0447		184.6225	184.6225	6.8500e-003		184.7937
Total	0.6279	18.4934	4.2386	0.0392	0.8771	0.0858	0.9629	0.2390	0.0820	0.3210		4,234.9436	4,234.9436	0.4240		4,245.5437

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.4 Trenching-Phase I - 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	0.7066	7.8354	6.6732	0.0103		0.3855	0.3855		0.3547	0.3547		1,055.7946	1,055.7946	0.3235		1,063.8819
Total	0.7066	7.8354	6.6732	0.0103		0.3855	0.3855		0.3547	0.3547		1,055.7946	1,055.7946	0.3235		1,063.8819

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0238	0.5647	0.1550	1.1200e-003	0.0271	5.2600e-003	0.0323	7.8000e-003	5.0300e-003	0.0128		119.6412	119.6412	9.9000e-003		119.8887
Worker	0.0658	0.0485	0.5404	1.3000e-003	0.1150	8.5000e-004	0.1159	0.0305	7.8000e-004	0.0313		129.2357	129.2357	4.8000e-003		129.3556
Total	0.0896	0.6132	0.6954	2.4200e-003	0.1421	6.1100e-003	0.1482	0.0383	5.8100e-003	0.0441		248.8769	248.8769	0.0147		249.2443

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.4 Trenching-Phase I - 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	0.7066	7.8354	6.6732	0.0103		0.3855	0.3855		0.3547	0.3547	0.0000	1,055.7946	1,055.7946	0.3235		1,063.8819
Total	0.7066	7.8354	6.6732	0.0103		0.3855	0.3855		0.3547	0.3547	0.0000	1,055.7946	1,055.7946	0.3235		1,063.8819

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0238	0.5647	0.1550	1.1200e-003	0.0271	5.2600e-003	0.0323	7.8000e-003	5.0300e-003	0.0128		119.6412	119.6412	9.9000e-003		119.8887
Worker	0.0658	0.0485	0.5404	1.3000e-003	0.1150	8.5000e-004	0.1159	0.0305	7.8000e-004	0.0313		129.2357	129.2357	4.8000e-003		129.3556
Total	0.0896	0.6132	0.6954	2.4200e-003	0.1421	6.1100e-003	0.1482	0.0383	5.8100e-003	0.0441		248.8769	248.8769	0.0147		249.2443

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.4 Trenching-Phase I - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5783	6.1918	6.5513	0.0103		0.3003	0.3003		0.2763	0.2763		1,039.1701	1,039.1701	0.3235		1,047.2578
Total	0.5783	6.1918	6.5513	0.0103		0.3003	0.3003		0.2763	0.2763		1,039.1701	1,039.1701	0.3235		1,047.2578

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0206	0.5270	0.1396	1.1100e-003	0.0271	4.1200e-003	0.0312	7.8000e-003	3.9400e-003	0.0117		119.2760	119.2760	9.4500e-003		119.5123
Worker	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189
Total	0.0802	0.5699	0.6188	2.3700e-003	0.1421	4.9500e-003	0.1470	0.0383	4.7000e-003	0.0430		244.8874	244.8874	0.0138		245.2312

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.4 Trenching-Phase I - 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	0.5783	6.1918	6.5513	0.0103		0.3003	0.3003		0.2763	0.2763	0.0000	1,039.170 1	1,039.170 1	0.3235		1,047.257 8
Total	0.5783	6.1918	6.5513	0.0103		0.3003	0.3003		0.2763	0.2763	0.0000	1,039.170 1	1,039.170 1	0.3235		1,047.257 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0206	0.5270	0.1396	1.1100e-003	0.0271	4.1200e-003	0.0312	7.8000e-003	3.9400e-003	0.0117		119.2760	119.2760	9.4500e-003		119.5123
Worker	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189
Total	0.0802	0.5699	0.6188	2.3700e-003	0.1421	4.9500e-003	0.1470	0.0383	4.7000e-003	0.0430		244.8874	244.8874	0.0138		245.2312

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.5 Building Construction-Phase I-1 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1693	23.1346	15.5948	0.0373		1.1544	1.1544		1.0913	1.0913		3,699.677 1	3,699.677 1	0.9477		3,723.369 5
Total	2.1693	23.1346	15.5948	0.0373		1.1544	1.1544		1.0913	1.0913		3,699.677 1	3,699.677 1	0.9477		3,723.369 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	7.5000e-004	0.0281	5.3300e-003	6.0000e-005	1.1700e-003	9.0000e-005	1.2600e-003	3.2000e-004	9.0000e-005	4.1000e-004		6.5955	6.5955	6.6000e-004		6.6121
Vendor	0.1031	2.6351	0.6978	5.5700e-003	0.1354	0.0206	0.1560	0.0390	0.0197	0.0587		596.3797	596.3797	0.0473		597.5614
Worker	0.2554	0.1839	2.0540	5.4100e-003	0.4929	3.5500e-003	0.4964	0.1307	3.2700e-003	0.1340		538.3347	538.3347	0.0184		538.7953
Total	0.3593	2.8471	2.7571	0.0110	0.6295	0.0243	0.6537	0.1700	0.0231	0.1931		1,141.310 0	1,141.310 0	0.0664		1,142.968 8

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.5 Building Construction-Phase I-1 - 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	2.1693	23.1346	15.5948	0.0373		1.1544	1.1544		1.0913	1.0913	0.0000	3,699.677 1	3,699.677 1	0.9477		3,723.369 5
Total	2.1693	23.1346	15.5948	0.0373		1.1544	1.1544		1.0913	1.0913	0.0000	3,699.677 1	3,699.677 1	0.9477		3,723.369 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	7.5000e-004	0.0281	5.3300e-003	6.0000e-005	1.1700e-003	9.0000e-005	1.2600e-003	3.2000e-004	9.0000e-005	4.1000e-004		6.5955	6.5955	6.6000e-004		6.6121
Vendor	0.1031	2.6351	0.6978	5.5700e-003	0.1354	0.0206	0.1560	0.0390	0.0197	0.0587		596.3797	596.3797	0.0473		597.5614
Worker	0.2554	0.1839	2.0540	5.4100e-003	0.4929	3.5500e-003	0.4964	0.1307	3.2700e-003	0.1340		538.3347	538.3347	0.0184		538.7953
Total	0.3593	2.8471	2.7571	0.0110	0.6295	0.0243	0.6537	0.1700	0.0231	0.1931		1,141.310 0	1,141.310 0	0.0664		1,142.968 8

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.6 Building Construction-Phase II-1 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6590	16.7115	12.3969	0.0257		0.9275	0.9275		0.8798	0.8798		2,532.2949	2,532.2949	0.6026		2,547.3605
Total	1.6590	16.7115	12.3969	0.0257		0.9275	0.9275		0.8798	0.8798		2,532.2949	2,532.2949	0.6026		2,547.3605

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.7000e-004	0.0251	4.7600e-003	5.0000e-005	1.0400e-003	8.0000e-005	1.1200e-003	2.9000e-004	8.0000e-005	3.6000e-004		5.8888	5.8888	5.9000e-004		5.9037
Vendor	0.0516	1.3175	0.3489	2.7900e-003	0.0677	0.0103	0.0780	0.0195	9.8600e-003	0.0294		298.1899	298.1899	0.0236		298.7807
Worker	0.1277	0.0920	1.0270	2.7000e-003	0.2464	1.7700e-003	0.2482	0.0654	1.6400e-003	0.0670		269.1674	269.1674	9.2100e-003		269.3976
Total	0.1799	1.4346	1.3806	5.5400e-003	0.3152	0.0122	0.3273	0.0852	0.0116	0.0967		573.2461	573.2461	0.0334		574.0820

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.6 Building Construction-Phase II-1 - 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	1.6590	16.7115	12.3969	0.0257		0.9275	0.9275		0.8798	0.8798	0.0000	2,532.2949	2,532.2949	0.6026		2,547.3605
Total	1.6590	16.7115	12.3969	0.0257		0.9275	0.9275		0.8798	0.8798	0.0000	2,532.2949	2,532.2949	0.6026		2,547.3605

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.7000e-004	0.0251	4.7600e-003	5.0000e-005	1.0400e-003	8.0000e-005	1.1200e-003	2.9000e-004	8.0000e-005	3.6000e-004		5.8888	5.8888	5.9000e-004		5.9037
Vendor	0.0516	1.3175	0.3489	2.7900e-003	0.0677	0.0103	0.0780	0.0195	9.8600e-003	0.0294		298.1899	298.1899	0.0236		298.7807
Worker	0.1277	0.0920	1.0270	2.7000e-003	0.2464	1.7700e-003	0.2482	0.0654	1.6400e-003	0.0670		269.1674	269.1674	9.2100e-003		269.3976
Total	0.1799	1.4346	1.3806	5.5400e-003	0.3152	0.0122	0.3273	0.0852	0.0116	0.0967		573.2461	573.2461	0.0334		574.0820

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.7 Building Construction-Phase III-1 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2358	23.6565	16.0704	0.0381		1.1889	1.1889		1.1258	1.1258		3,777.5565	3,777.5565	0.9536		3,801.3961
Total	2.2358	23.6565	16.0704	0.0381		1.1889	1.1889		1.1258	1.1258		3,777.5565	3,777.5565	0.9536		3,801.3961

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.8000e-004	0.0105	2.0000e-003	2.0000e-005	8.3000e-004	3.0000e-005	8.7000e-004	2.2000e-004	3.0000e-005	2.5000e-004		2.4733	2.4733	2.5000e-004		2.4795
Vendor	0.1031	2.6351	0.6978	5.5700e-003	0.1354	0.0206	0.1560	0.0390	0.0197	0.0587		596.3797	596.3797	0.0473		597.5614
Worker	0.2554	0.1839	2.0540	5.4100e-003	0.4929	3.5500e-003	0.4964	0.1307	3.2700e-003	0.1340		538.3347	538.3347	0.0184		538.7953
Total	0.3588	2.8295	2.7537	0.0110	0.6291	0.0242	0.6533	0.1699	0.0230	0.1930		1,137.1878	1,137.1878	0.0659		1,138.8362

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.7 Building Construction-Phase III-1 - 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	2.2358	23.6565	16.0704	0.0381		1.1889	1.1889		1.1258	1.1258	0.0000	3,777.5564	3,777.5564	0.9536		3,801.3961
Total	2.2358	23.6565	16.0704	0.0381		1.1889	1.1889		1.1258	1.1258	0.0000	3,777.5564	3,777.5564	0.9536		3,801.3961

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.8000e-004	0.0105	2.0000e-003	2.0000e-005	8.3000e-004	3.0000e-005	8.7000e-004	2.2000e-004	3.0000e-005	2.5000e-004		2.4733	2.4733	2.5000e-004		2.4795
Vendor	0.1031	2.6351	0.6978	5.5700e-003	0.1354	0.0206	0.1560	0.0390	0.0197	0.0587		596.3797	596.3797	0.0473		597.5614
Worker	0.2554	0.1839	2.0540	5.4100e-003	0.4929	3.5500e-003	0.4964	0.1307	3.2700e-003	0.1340		538.3347	538.3347	0.0184		538.7953
Total	0.3588	2.8295	2.7537	0.0110	0.6291	0.0242	0.6533	0.1699	0.0230	0.1930		1,137.1878	1,137.1878	0.0659		1,138.8362

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.7 Building Construction-Phase III-1 - 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	1.9956	21.1137	15.7980	0.0381		1.0213	1.0213		0.9671	0.9671		3,727.5909	3,727.5909	0.9440		3,751.1905
Total	1.9956	21.1137	15.7980	0.0381		1.0213	1.0213		0.9671	0.9671		3,727.5909	3,727.5909	0.9440		3,751.1905

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.7000e-004	0.0100	1.9500e-003	2.0000e-005	7.1000e-004	3.0000e-005	7.4000e-004	1.9000e-004	3.0000e-005	2.2000e-004		2.4500	2.4500	2.4000e-004		2.4561
Vendor	0.0921	2.4798	0.6402	5.5200e-003	0.1354	0.0173	0.1526	0.0390	0.0165	0.0555		592.0333	592.0333	0.0457		593.1760
Worker	0.2356	0.1644	1.8565	5.2400e-003	0.4929	3.5100e-003	0.4964	0.1307	3.2400e-003	0.1340		522.1198	522.1198	0.0167		522.5366
Total	0.3279	2.6542	2.4986	0.0108	0.6290	0.0208	0.6498	0.1699	0.0198	0.1897		1,116.6030	1,116.6030	0.0626		1,118.1687

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.7 Building Construction-Phase III-1 - 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	1.9956	21.1137	15.7980	0.0381		1.0213	1.0213		0.9671	0.9671	0.0000	3,727.5909	3,727.5909	0.9440		3,751.1905
Total	1.9956	21.1137	15.7980	0.0381		1.0213	1.0213		0.9671	0.9671	0.0000	3,727.5909	3,727.5909	0.9440		3,751.1905

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.7000e-004	0.0100	1.9500e-003	2.0000e-005	7.1000e-004	3.0000e-005	7.4000e-004	1.9000e-004	3.0000e-005	2.2000e-004		2.4500	2.4500	2.4000e-004		2.4561
Vendor	0.0921	2.4798	0.6402	5.5200e-003	0.1354	0.0173	0.1526	0.0390	0.0165	0.0555		592.0333	592.0333	0.0457		593.1760
Worker	0.2356	0.1644	1.8565	5.2400e-003	0.4929	3.5100e-003	0.4964	0.1307	3.2400e-003	0.1340		522.1198	522.1198	0.0167		522.5366
Total	0.3279	2.6542	2.4986	0.0108	0.6290	0.0208	0.6498	0.1699	0.0198	0.1897		1,116.6030	1,116.6030	0.0626		1,118.1687

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.8 Paving-Phase I - 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	0.7408	7.6064	6.7162	9.9500e-003		0.4477	0.4477		0.4119	0.4119		984.8657	984.8657	0.3116		992.6557
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7408	7.6064	6.7162	9.9500e-003		0.4477	0.4477		0.4119	0.4119		984.8657	984.8657	0.3116		992.6557

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0368	0.9919	0.2561	2.2100e-003	0.0542	6.9000e-003	0.0611	0.0156	6.6000e-003	0.0222		236.8133	236.8133	0.0183		237.2704
Worker	0.1571	0.1096	1.2377	3.4900e-003	0.3286	2.3400e-003	0.3309	0.0872	2.1600e-003	0.0893		348.0799	348.0799	0.0111		348.3577
Total	0.1939	1.1015	1.4937	5.7000e-003	0.3828	9.2400e-003	0.3920	0.1028	8.7600e-003	0.1115		584.8932	584.8932	0.0294		585.6281

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.8 Paving-Phase I - 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	0.7408	7.6064	6.7162	9.9500e-003		0.4477	0.4477		0.4119	0.4119	0.0000	984.8657	984.8657	0.3116		992.6557
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7408	7.6064	6.7162	9.9500e-003		0.4477	0.4477		0.4119	0.4119	0.0000	984.8657	984.8657	0.3116		992.6557

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0368	0.9919	0.2561	2.2100e-003	0.0542	6.9000e-003	0.0611	0.0156	6.6000e-003	0.0222		236.8133	236.8133	0.0183		237.2704
Worker	0.1571	0.1096	1.2377	3.4900e-003	0.3286	2.3400e-003	0.3309	0.0872	2.1600e-003	0.0893		348.0799	348.0799	0.0111		348.3577
Total	0.1939	1.1015	1.4937	5.7000e-003	0.3828	9.2400e-003	0.3920	0.1028	8.7600e-003	0.1115		584.8932	584.8932	0.0294		585.6281

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.9 Architectural Coating-Phase I - 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	4.3013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0658	7.3415	7.3653	0.0119		0.5151	0.5151		0.5151	0.5151		1,125.792 2	1,125.792 2	0.0951		1,128.169 4
Total	5.3671	7.3415	7.3653	0.0119		0.5151	0.5151		0.5151	0.5151		1,125.792 2	1,125.792 2	0.0951		1,128.169 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.2100e-003	0.2480	0.0640	5.5000e-004	0.0135	1.7300e-003	0.0153	3.9000e-003	1.6500e-003	5.5500e-003		59.2033	59.2033	4.5700e-003		59.3176
Worker	0.0942	0.0658	0.7426	2.1000e-003	0.1972	1.4100e-003	0.1986	0.0523	1.2900e-003	0.0536		208.8479	208.8479	6.6700e-003		209.0146
Total	0.1035	0.3138	0.8066	2.6500e-003	0.2107	3.1400e-003	0.2138	0.0562	2.9400e-003	0.0591		268.0512	268.0512	0.0112		268.3322

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.9 Architectural Coating-Phase I - 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	4.3013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0658	7.3415	7.3653	0.0119		0.5151	0.5151		0.5151	0.5151	0.0000	1,125.792 2	1,125.792 2	0.0951		1,128.169 4
Total	5.3671	7.3415	7.3653	0.0119		0.5151	0.5151		0.5151	0.5151	0.0000	1,125.792 2	1,125.792 2	0.0951		1,128.169 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.2100e-003	0.2480	0.0640	5.5000e-004	0.0135	1.7300e-003	0.0153	3.9000e-003	1.6500e-003	5.5500e-003		59.2033	59.2033	4.5700e-003		59.3176
Worker	0.0942	0.0658	0.7426	2.1000e-003	0.1972	1.4100e-003	0.1986	0.0523	1.2900e-003	0.0536		208.8479	208.8479	6.6700e-003		209.0146
Total	0.1035	0.3138	0.8066	2.6500e-003	0.2107	3.1400e-003	0.2138	0.0562	2.9400e-003	0.0591		268.0512	268.0512	0.0112		268.3322

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.10 Grading-Phase II - 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					6.7768	0.0000	6.7768	2.0641	0.0000	2.0641			0.0000			0.0000
Off-Road	2.4110	27.6013	16.1020	0.0348		1.1448	1.1448		1.0532	1.0532		3,371.0637	3,371.0637	1.0903		3,398.3205
Total	2.4110	27.6013	16.1020	0.0348	6.7768	1.1448	7.9216	2.0641	1.0532	3.1173		3,371.0637	3,371.0637	1.0903		3,398.3205

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1324	5.1674	1.0400	0.0122	0.2406	0.0130	0.2535	0.0660	0.0124	0.0784		1,335.6450	1,335.6450	0.1308		1,338.9145
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0587	0.0396	0.4535	1.3500e-003	0.1314	9.2000e-004	0.1324	0.0349	8.5000e-004	0.0357		134.8395	134.8395	4.0300e-003		134.9402
Total	0.1911	5.2070	1.4935	0.0136	0.3720	0.0139	0.3859	0.1008	0.0133	0.1141		1,470.4845	1,470.4845	0.1348		1,473.8547

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.10 Grading-Phase II - 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					3.0496	0.0000	3.0496	0.9288	0.0000	0.9288			0.0000			0.0000
Off-Road	2.4110	27.6013	16.1020	0.0348		1.1448	1.1448		1.0532	1.0532	0.0000	3,371.0637	3,371.0637	1.0903		3,398.3205
Total	2.4110	27.6013	16.1020	0.0348	3.0496	1.1448	4.1944	0.9288	1.0532	1.9821	0.0000	3,371.0637	3,371.0637	1.0903		3,398.3205

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1324	5.1674	1.0400	0.0122	0.2406	0.0130	0.2535	0.0660	0.0124	0.0784		1,335.6450	1,335.6450	0.1308		1,338.9145
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0587	0.0396	0.4535	1.3500e-003	0.1314	9.2000e-004	0.1324	0.0349	8.5000e-004	0.0357		134.8395	134.8395	4.0300e-003		134.9402
Total	0.1911	5.2070	1.4935	0.0136	0.3720	0.0139	0.3859	0.1008	0.0133	0.1141		1,470.4845	1,470.4845	0.1348		1,473.8547

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.11 Trenching-Phase II - 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	0.4900	4.8253	6.5356	0.0103		0.2337	0.2337		0.2150	0.2150		1,000.2368	1,000.2368	0.3235		1,008.3243
Total	0.4900	4.8253	6.5356	0.0103		0.2337	0.2337		0.2150	0.2150		1,000.2368	1,000.2368	0.3235		1,008.3243

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.4700e-003	0.2255	0.0575	5.5000e-004	0.0135	1.1000e-003	0.0146	3.9000e-003	1.0600e-003	4.9500e-003		58.8080	58.8080	4.3400e-003		58.9165
Worker	0.0367	0.0247	0.2835	8.5000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		84.2747	84.2747	2.5200e-003		84.3376
Total	0.0442	0.2502	0.3409	1.4000e-003	0.0957	1.6800e-003	0.0974	0.0257	1.5900e-003	0.0273		143.0827	143.0827	6.8600e-003		143.2541

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.11 Trenching-Phase II - 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	0.4900	4.8253	6.5356	0.0103		0.2337	0.2337		0.2150	0.2150	0.0000	1,000.2368	1,000.2368	0.3235		1,008.3243
Total	0.4900	4.8253	6.5356	0.0103		0.2337	0.2337		0.2150	0.2150	0.0000	1,000.2368	1,000.2368	0.3235		1,008.3243

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.4700e-003	0.2255	0.0575	5.5000e-004	0.0135	1.1000e-003	0.0146	3.9000e-003	1.0600e-003	4.9500e-003		58.8080	58.8080	4.3400e-003		58.9165
Worker	0.0367	0.0247	0.2835	8.5000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		84.2747	84.2747	2.5200e-003		84.3376
Total	0.0442	0.2502	0.3409	1.4000e-003	0.0957	1.6800e-003	0.0974	0.0257	1.5900e-003	0.0273		143.0827	143.0827	6.8600e-003		143.2541

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.12 Building Construction-Phase I-2 - 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	0.2108	1.6662	1.7415	2.7300e-003		0.1035	0.1035		0.1002	0.1002		256.2971	256.2971	0.0373		257.2291
Total	0.2108	1.6662	1.7415	2.7300e-003		0.1035	0.1035		0.1002	0.1002		256.2971	256.2971	0.0373		257.2291

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1121	3.3828	0.8618	8.2100e-003	0.2031	0.0166	0.2196	0.0585	0.0158	0.0743		882.1202	882.1202	0.0651		883.7471
Worker	0.3303	0.2225	2.5511	7.6100e-003	0.7393	5.1900e-003	0.7445	0.1961	4.7800e-003	0.2009		758.4724	758.4724	0.0227		759.0385
Total	0.4424	3.6053	3.4129	0.0158	0.9424	0.0217	0.9642	0.2546	0.0206	0.2752		1,640.5926	1,640.5926	0.0877		1,642.7856

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.12 Building Construction-Phase I-2 - 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	0.2108	1.6662	1.7415	2.7300e-003		0.1035	0.1035		0.1002	0.1002	0.0000	256.2971	256.2971	0.0373		257.2291
Total	0.2108	1.6662	1.7415	2.7300e-003		0.1035	0.1035		0.1002	0.1002	0.0000	256.2971	256.2971	0.0373		257.2291

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1121	3.3828	0.8618	8.2100e-003	0.2031	0.0166	0.2196	0.0585	0.0158	0.0743		882.1202	882.1202	0.0651		883.7471
Worker	0.3303	0.2225	2.5511	7.6100e-003	0.7393	5.1900e-003	0.7445	0.1961	4.7800e-003	0.2009		758.4724	758.4724	0.0227		759.0385
Total	0.4424	3.6053	3.4129	0.0158	0.9424	0.0217	0.9642	0.2546	0.0206	0.2752		1,640.5926	1,640.5926	0.0877		1,642.7856

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.13 Building Construction-Phase II-2 - 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	0.2108	1.6662	1.7415	2.7300e-003		0.1035	0.1035		0.1002	0.1002		256.2971	256.2971	0.0373		257.2291
Total	0.2108	1.6662	1.7415	2.7300e-003		0.1035	0.1035		0.1002	0.1002		256.2971	256.2971	0.0373		257.2291

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1121	3.3828	0.8618	8.2100e-003	0.2031	0.0166	0.2196	0.0585	0.0158	0.0743		882.1202	882.1202	0.0651		883.7471
Worker	0.2569	0.1731	1.9842	5.9200e-003	0.5750	4.0400e-003	0.5791	0.1525	3.7200e-003	0.1562		589.9229	589.9229	0.0176		590.3633
Total	0.3690	3.5558	2.8460	0.0141	0.7781	0.0206	0.7987	0.2110	0.0196	0.2305		1,472.0432	1,472.0432	0.0827		1,474.1104

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.13 Building Construction-Phase II-2 - 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	0.2108	1.6662	1.7415	2.7300e-003		0.1035	0.1035		0.1002	0.1002	0.0000	256.2971	256.2971	0.0373		257.2291
Total	0.2108	1.6662	1.7415	2.7300e-003		0.1035	0.1035		0.1002	0.1002	0.0000	256.2971	256.2971	0.0373		257.2291

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1121	3.3828	0.8618	8.2100e-003	0.2031	0.0166	0.2196	0.0585	0.0158	0.0743		882.1202	882.1202	0.0651		883.7471
Worker	0.2569	0.1731	1.9842	5.9200e-003	0.5750	4.0400e-003	0.5791	0.1525	3.7200e-003	0.1562		589.9229	589.9229	0.0176		590.3633
Total	0.3690	3.5558	2.8460	0.0141	0.7781	0.0206	0.7987	0.2110	0.0196	0.2305		1,472.0432	1,472.0432	0.0827		1,474.1104

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.13 Building Construction-Phase II-2 - 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	0.1887	1.5229	1.7245	2.7300e-003		0.0886	0.0886		0.0858	0.0858		256.3139	256.3139	0.0360		257.2140
Total	0.1887	1.5229	1.7245	2.7300e-003		0.0886	0.0886		0.0858	0.0858		256.3139	256.3139	0.0360		257.2140

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0907	3.0549	0.7785	8.1200e-003	0.2031	6.4200e-003	0.2095	0.0585	6.1400e-003	0.0646		874.0558	874.0558	0.0625		875.6172
Worker	0.2421	0.1573	1.8567	5.7200e-003	0.5750	3.9700e-003	0.5790	0.1525	3.6600e-003	0.1562		570.1086	570.1086	0.0163		570.5154
Total	0.3328	3.2122	2.6352	0.0138	0.7781	0.0104	0.7885	0.2110	9.8000e-003	0.2208		1,444.1645	1,444.1645	0.0787		1,446.1326

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.13 Building Construction-Phase II-2 - 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	0.1887	1.5229	1.7245	2.7300e-003		0.0886	0.0886		0.0858	0.0858	0.0000	256.3139	256.3139	0.0360		257.2140
Total	0.1887	1.5229	1.7245	2.7300e-003		0.0886	0.0886		0.0858	0.0858	0.0000	256.3139	256.3139	0.0360		257.2140

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0907	3.0549	0.7785	8.1200e-003	0.2031	6.4200e-003	0.2095	0.0585	6.1400e-003	0.0646		874.0558	874.0558	0.0625		875.6172
Worker	0.2421	0.1573	1.8567	5.7200e-003	0.5750	3.9700e-003	0.5790	0.1525	3.6600e-003	0.1562		570.1086	570.1086	0.0163		570.5154
Total	0.3328	3.2122	2.6352	0.0138	0.7781	0.0104	0.7885	0.2110	9.8000e-003	0.2208		1,444.1645	1,444.1645	0.0787		1,446.1326

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.14 Building Construction-Phase III-2 - 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	0.1887	1.5229	1.7245	2.7300e-003		0.0886	0.0886		0.0858	0.0858		256.3139	256.3139	0.0360		257.2140
Total	0.1887	1.5229	1.7245	2.7300e-003		0.0886	0.0886		0.0858	0.0858		256.3139	256.3139	0.0360		257.2140

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0907	3.0549	0.7785	8.1200e-003	0.2031	6.4200e-003	0.2095	0.0585	6.1400e-003	0.0646		874.0558	874.0558	0.0625		875.6172
Worker	0.3113	0.2023	2.3871	7.3600e-003	0.7393	5.1100e-003	0.7444	0.1961	4.7000e-003	0.2008		732.9968	732.9968	0.0209		733.5198
Total	0.4020	3.2571	3.1656	0.0155	0.9424	0.0115	0.9539	0.2546	0.0108	0.2654		1,607.0526	1,607.0526	0.0834		1,609.1370

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.14 Building Construction-Phase III-2 - 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	0.1887	1.5229	1.7245	2.7300e-003		0.0886	0.0886		0.0858	0.0858	0.0000	256.3139	256.3139	0.0360		257.2140
Total	0.1887	1.5229	1.7245	2.7300e-003		0.0886	0.0886		0.0858	0.0858	0.0000	256.3139	256.3139	0.0360		257.2140

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0907	3.0549	0.7785	8.1200e-003	0.2031	6.4200e-003	0.2095	0.0585	6.1400e-003	0.0646		874.0558	874.0558	0.0625		875.6172
Worker	0.3113	0.2023	2.3871	7.3600e-003	0.7393	5.1100e-003	0.7444	0.1961	4.7000e-003	0.2008		732.9968	732.9968	0.0209		733.5198
Total	0.4020	3.2571	3.1656	0.0155	0.9424	0.0115	0.9539	0.2546	0.0108	0.2654		1,607.0526	1,607.0526	0.0834		1,609.1370

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.15 Architectural Coating-Phase II - 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	4.3013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6567	4.5805	5.4527	8.9100e-003		0.2823	0.2823		0.2823	0.2823		844.3442	844.3442	0.0579		845.7927
Total	4.9580	4.5805	5.4527	8.9100e-003		0.2823	0.2823		0.2823	0.2823		844.3442	844.3442	0.0579		845.7927

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.0500e-003	0.2037	0.0519	5.4000e-004	0.0135	4.3000e-004	0.0140	3.9000e-003	4.1000e-004	4.3100e-003		58.2704	58.2704	4.1600e-003		58.3745
Worker	0.0553	0.0360	0.4244	1.3100e-003	0.1314	9.1000e-004	0.1323	0.0349	8.4000e-004	0.0357		130.3105	130.3105	3.7200e-003		130.4035
Total	0.0614	0.2396	0.4763	1.8500e-003	0.1450	1.3400e-003	0.1463	0.0388	1.2500e-003	0.0400		188.5809	188.5809	7.8800e-003		188.7780

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.15 Architectural Coating-Phase II - 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	4.3013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6567	4.5805	5.4527	8.9100e-003		0.2823	0.2823		0.2823	0.2823	0.0000	844.3441	844.3441	0.0579		845.7927
Total	4.9580	4.5805	5.4527	8.9100e-003		0.2823	0.2823		0.2823	0.2823	0.0000	844.3441	844.3441	0.0579		845.7927

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.0500e-003	0.2037	0.0519	5.4000e-004	0.0135	4.3000e-004	0.0140	3.9000e-003	4.1000e-004	4.3100e-003		58.2704	58.2704	4.1600e-003		58.3745
Worker	0.0553	0.0360	0.4244	1.3100e-003	0.1314	9.1000e-004	0.1323	0.0349	8.4000e-004	0.0357		130.3105	130.3105	3.7200e-003		130.4035
Total	0.0614	0.2396	0.4763	1.8500e-003	0.1450	1.3400e-003	0.1463	0.0388	1.2500e-003	0.0400		188.5809	188.5809	7.8800e-003		188.7780

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.16 Paving-Phase II - 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	0.4392	4.3812	5.1044	6.9800e-003		0.2654	0.2654		0.2442	0.2442		675.8156	675.8156	0.2186		681.2799
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4392	4.3812	5.1044	6.9800e-003		0.2654	0.2654		0.2442	0.2442		675.8156	675.8156	0.2186		681.2799

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0121	0.4073	0.1038	1.0800e-003	0.0271	8.6000e-004	0.0279	7.8000e-003	8.2000e-004	8.6100e-003		116.5408	116.5408	8.3300e-003		116.7490
Worker	0.0830	0.0539	0.6366	1.9600e-003	0.1972	1.3600e-003	0.1985	0.0523	1.2500e-003	0.0536		195.4658	195.4658	5.5800e-003		195.6053
Total	0.0951	0.4613	0.7404	3.0400e-003	0.2242	2.2200e-003	0.2265	0.0601	2.0700e-003	0.0622		312.0066	312.0066	0.0139		312.3542

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.16 Paving-Phase II - 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	0.4392	4.3812	5.1044	6.9800e-003		0.2654	0.2654		0.2442	0.2442	0.0000	675.8156	675.8156	0.2186		681.2799
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4392	4.3812	5.1044	6.9800e-003		0.2654	0.2654		0.2442	0.2442	0.0000	675.8156	675.8156	0.2186		681.2799

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0121	0.4073	0.1038	1.0800e-003	0.0271	8.6000e-004	0.0279	7.8000e-003	8.2000e-004	8.6100e-003		116.5408	116.5408	8.3300e-003		116.7490
Worker	0.0830	0.0539	0.6366	1.9600e-003	0.1972	1.3600e-003	0.1985	0.0523	1.2500e-003	0.0536		195.4658	195.4658	5.5800e-003		195.6053
Total	0.0951	0.4613	0.7404	3.0400e-003	0.2242	2.2200e-003	0.2265	0.0601	2.0700e-003	0.0622		312.0066	312.0066	0.0139		312.3542

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.17 Grading-Phase III - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.3064	0.0000	8.3064	2.8953	0.0000	2.8953			0.0000			0.0000
Off-Road	3.8149	40.2398	27.9627	0.0723		1.6036	1.6036		1.4753	1.4753		7,003.2516	7,003.2516	2.2650		7,059.8764
Total	3.8149	40.2398	27.9627	0.0723	8.3064	1.6036	9.9100	2.8953	1.4753	4.3706		7,003.2516	7,003.2516	2.2650		7,059.8764

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1206	4.7493	1.3634	0.0165	0.3470	6.4100e-003	0.3534	0.0951	6.1300e-003	0.1013		1,815.2863	1,815.2863	0.1688		1,819.5062
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0619	0.0374	0.4582	1.5100e-003	0.1643	1.0900e-003	0.1654	0.0436	1.0000e-003	0.0446		150.9134	150.9134	3.9000e-003		151.0109
Total	0.1826	4.7867	1.8216	0.0180	0.5113	7.5000e-003	0.5188	0.1387	7.1300e-003	0.1458		1,966.1998	1,966.1998	0.1727		1,970.5171

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.17 Grading-Phase III - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.7379	0.0000	3.7379	1.3029	0.0000	1.3029			0.0000			0.0000
Off-Road	3.8149	40.2398	27.9627	0.0723		1.6036	1.6036		1.4753	1.4753	0.0000	7,003.2516	7,003.2516	2.2650		7,059.8764
Total	3.8149	40.2398	27.9627	0.0723	3.7379	1.6036	5.3415	1.3029	1.4753	2.7782	0.0000	7,003.2516	7,003.2516	2.2650		7,059.8764

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1206	4.7493	1.3634	0.0165	0.3470	6.4100e-003	0.3534	0.0951	6.1300e-003	0.1013		1,815.2863	1,815.2863	0.1688		1,819.5062
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0619	0.0374	0.4582	1.5100e-003	0.1643	1.0900e-003	0.1654	0.0436	1.0000e-003	0.0446		150.9134	150.9134	3.9000e-003		151.0109
Total	0.1826	4.7867	1.8216	0.0180	0.5113	7.5000e-003	0.5188	0.1387	7.1300e-003	0.1458		1,966.1998	1,966.1998	0.1727		1,970.5171

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.18 Trenching-Phase III - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3774	3.0973	6.5155	0.0103		0.1516	0.1516		0.1395	0.1395		1,000.2113	1,000.2113	0.3235		1,008.2985
Total	0.3774	3.0973	6.5155	0.0103		0.1516	0.1516		0.1395	0.1395		1,000.2113	1,000.2113	0.3235		1,008.2985

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.6700e-003	0.3030	0.0901	1.0400e-003	0.0271	3.6000e-004	0.0274	7.7900e-003	3.4000e-004	8.1400e-003		112.5268	112.5268	7.3900e-003		112.7116
Worker	0.0434	0.0262	0.3208	1.0600e-003	0.1150	7.6000e-004	0.1158	0.0305	7.0000e-004	0.0312		105.6394	105.6394	2.7300e-003		105.7077
Total	0.0520	0.3292	0.4108	2.1000e-003	0.1421	1.1200e-003	0.1432	0.0383	1.0400e-003	0.0394		218.1662	218.1662	0.0101		218.4192

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.18 Trenching-Phase III - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3774	3.0973	6.5155	0.0103		0.1516	0.1516		0.1395	0.1395	0.0000	1,000.2113	1,000.2113	0.3235		1,008.2985
Total	0.3774	3.0973	6.5155	0.0103		0.1516	0.1516		0.1395	0.1395	0.0000	1,000.2113	1,000.2113	0.3235		1,008.2985

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.6700e-003	0.3030	0.0901	1.0400e-003	0.0271	3.6000e-004	0.0274	7.7900e-003	3.4000e-004	8.1400e-003		112.5268	112.5268	7.3900e-003		112.7116
Worker	0.0434	0.0262	0.3208	1.0600e-003	0.1150	7.6000e-004	0.1158	0.0305	7.0000e-004	0.0312		105.6394	105.6394	2.7300e-003		105.7077
Total	0.0520	0.3292	0.4108	2.1000e-003	0.1421	1.1200e-003	0.1432	0.0383	1.0400e-003	0.0394		218.1662	218.1662	0.0101		218.4192

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.19 Building Construction-Phase I-3 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4247	4.5338	2.5215	6.9000e-003		0.1990	0.1990		0.1830	0.1830		667.7609	667.7609	0.2160		673.1601
Total	0.4247	4.5338	2.5215	6.9000e-003		0.1990	0.1990		0.1830	0.1830		667.7609	667.7609	0.2160		673.1601

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0520	1.8182	0.5403	6.2500e-003	0.1625	2.1400e-003	0.1646	0.0468	2.0500e-003	0.0488		675.1609	675.1609	0.0443		676.2694
Worker	1.3623	0.8234	10.0808	0.0333	3.6145	0.0239	3.6384	0.9587	0.0221	0.9808		3,320.0952	3,320.0952	0.0858		3,322.2407
Total	1.4144	2.6416	10.6211	0.0396	3.7770	0.0261	3.8031	1.0055	0.0241	1.0296		3,995.2561	3,995.2561	0.1302		3,998.5101

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.19 Building Construction-Phase I-3 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4247	4.5338	2.5215	6.9000e-003		0.1990	0.1990		0.1830	0.1830	0.0000	667.7609	667.7609	0.2160		673.1601
Total	0.4247	4.5338	2.5215	6.9000e-003		0.1990	0.1990		0.1830	0.1830	0.0000	667.7609	667.7609	0.2160		673.1601

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0520	1.8182	0.5403	6.2500e-003	0.1625	2.1400e-003	0.1646	0.0468	2.0500e-003	0.0488		675.1609	675.1609	0.0443		676.2694
Worker	1.3623	0.8234	10.0808	0.0333	3.6145	0.0239	3.6384	0.9587	0.0221	0.9808		3,320.0952	3,320.0952	0.0858		3,322.2407
Total	1.4144	2.6416	10.6211	0.0396	3.7770	0.0261	3.8031	1.0055	0.0241	1.0296		3,995.2561	3,995.2561	0.1302		3,998.5101

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.20 Building Construction-Phase II-3 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4247	4.5338	2.5215	6.9000e-003		0.1990	0.1990		0.1830	0.1830		667.7609	667.7609	0.2160		673.1601
Total	0.4247	4.5338	2.5215	6.9000e-003		0.1990	0.1990		0.1830	0.1830		667.7609	667.7609	0.2160		673.1601

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0520	1.8182	0.5403	6.2500e-003	0.1625	2.1400e-003	0.1646	0.0468	2.0500e-003	0.0488		675.1609	675.1609	0.0443		676.2694
Worker	0.7431	0.4491	5.4986	0.0182	1.9715	0.0131	1.9846	0.5230	0.0120	0.5350		1,810.9610	1,810.9610	0.0468		1,812.1313
Total	0.7951	2.2673	6.0389	0.0244	2.1340	0.0152	2.1492	0.5697	0.0141	0.5838		2,486.1219	2,486.1219	0.0912		2,488.4007

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.20 Building Construction-Phase II-3 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4247	4.5338	2.5215	6.9000e-003		0.1990	0.1990		0.1830	0.1830	0.0000	667.7609	667.7609	0.2160		673.1601
Total	0.4247	4.5338	2.5215	6.9000e-003		0.1990	0.1990		0.1830	0.1830	0.0000	667.7609	667.7609	0.2160		673.1601

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0520	1.8182	0.5403	6.2500e-003	0.1625	2.1400e-003	0.1646	0.0468	2.0500e-003	0.0488		675.1609	675.1609	0.0443		676.2694
Worker	0.7431	0.4491	5.4986	0.0182	1.9715	0.0131	1.9846	0.5230	0.0120	0.5350		1,810.9610	1,810.9610	0.0468		1,812.1313
Total	0.7951	2.2673	6.0389	0.0244	2.1340	0.0152	2.1492	0.5697	0.0141	0.5838		2,486.1219	2,486.1219	0.0912		2,488.4007

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.20 Building Construction-Phase II-3 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3996	4.1651	2.4553	6.9000e-003		0.1804	0.1804		0.1660	0.1660		667.7482	667.7482	0.2160		673.1473
Total	0.3996	4.1651	2.4553	6.9000e-003		0.1804	0.1804		0.1660	0.1660		667.7482	667.7482	0.2160		673.1473

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0502	1.7929	0.5235	6.2000e-003	0.1625	2.0900e-003	0.1646	0.0468	2.0000e-003	0.0488		670.8183	670.8183	0.0438		671.9141
Worker	0.7058	0.4120	5.1410	0.0175	1.9715	0.0128	1.9844	0.5230	0.0118	0.5348		1,739.6091	1,739.6091	0.0430		1,740.6849
Total	0.7560	2.2049	5.6645	0.0237	2.1340	0.0149	2.1489	0.5697	0.0138	0.5835		2,410.4274	2,410.4274	0.0869		2,412.5990

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.20 Building Construction-Phase II-3 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3996	4.1651	2.4553	6.9000e-003		0.1804	0.1804		0.1660	0.1660	0.0000	667.7482	667.7482	0.2160		673.1473
Total	0.3996	4.1651	2.4553	6.9000e-003		0.1804	0.1804		0.1660	0.1660	0.0000	667.7482	667.7482	0.2160		673.1473

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0502	1.7929	0.5235	6.2000e-003	0.1625	2.0900e-003	0.1646	0.0468	2.0000e-003	0.0488		670.8183	670.8183	0.0438		671.9141
Worker	0.7058	0.4120	5.1410	0.0175	1.9715	0.0128	1.9844	0.5230	0.0118	0.5348		1,739.6091	1,739.6091	0.0430		1,740.6849
Total	0.7560	2.2049	5.6645	0.0237	2.1340	0.0149	2.1489	0.5697	0.0138	0.5835		2,410.4274	2,410.4274	0.0869		2,412.5990

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.21 Building Construction-Phase III-3 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5655	5.9172	3.3426	9.7800e-003		0.2533	0.2533		0.2331	0.2331		947.1519	947.1519	0.3063		954.8101
Total	0.5655	5.9172	3.3426	9.7800e-003		0.2533	0.2533		0.2331	0.2331		947.1519	947.1519	0.3063		954.8101

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0502	1.7929	0.5235	6.2000e-003	0.1625	2.0900e-003	0.1646	0.0468	2.0000e-003	0.0488		670.8183	670.8183	0.0438		671.9141
Worker	1.4116	0.8240	10.2820	0.0349	3.9431	0.0256	3.9687	1.0459	0.0236	1.0695		3,479.2181	3,479.2181	0.0861		3,481.3699
Total	1.4618	2.6169	10.8055	0.0411	4.1056	0.0277	4.1333	1.0927	0.0256	1.1183		4,150.0365	4,150.0365	0.1299		4,153.2840

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.21 Building Construction-Phase III-3 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5655	5.9172	3.3426	9.7800e-003		0.2533	0.2533		0.2331	0.2331	0.0000	947.1519	947.1519	0.3063		954.8101
Total	0.5655	5.9172	3.3426	9.7800e-003		0.2533	0.2533		0.2331	0.2331	0.0000	947.1519	947.1519	0.3063		954.8101

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0502	1.7929	0.5235	6.2000e-003	0.1625	2.0900e-003	0.1646	0.0468	2.0000e-003	0.0488		670.8183	670.8183	0.0438		671.9141
Worker	1.4116	0.8240	10.2820	0.0349	3.9431	0.0256	3.9687	1.0459	0.0236	1.0695		3,479.2181	3,479.2181	0.0861		3,481.3699
Total	1.4618	2.6169	10.8055	0.0411	4.1056	0.0277	4.1333	1.0927	0.0256	1.1183		4,150.0365	4,150.0365	0.1299		4,153.2840

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.22 Paving-Phase III - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1910	1.8900	2.8053	3.8800e-003		0.0920	0.0920		0.0846	0.0846		375.7822	375.7822	0.1215		378.8205
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1910	1.8900	2.8053	3.8800e-003		0.0920	0.0920		0.0846	0.0846		375.7822	375.7822	0.1215		378.8205

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0167	0.5976	0.1745	2.0700e-003	0.0542	7.0000e-004	0.0549	0.0156	6.7000e-004	0.0163		223.6061	223.6061	0.0146		223.9714
Worker	0.1176	0.0687	0.8568	2.9100e-003	0.3286	2.1400e-003	0.3307	0.0872	1.9700e-003	0.0891		289.9348	289.9348	7.1700e-003		290.1142
Total	0.1344	0.6663	1.0313	4.9800e-003	0.3828	2.8400e-003	0.3856	0.1028	2.6400e-003	0.1054		513.5410	513.5410	0.0218		514.0855

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.22 Paving-Phase III - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1910	1.8900	2.8053	3.8800e-003		0.0920	0.0920		0.0846	0.0846	0.0000	375.7822	375.7822	0.1215		378.8205
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1910	1.8900	2.8053	3.8800e-003		0.0920	0.0920		0.0846	0.0846	0.0000	375.7822	375.7822	0.1215		378.8205

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0167	0.5976	0.1745	2.0700e-003	0.0542	7.0000e-004	0.0549	0.0156	6.7000e-004	0.0163		223.6061	223.6061	0.0146		223.9714
Worker	0.1176	0.0687	0.8568	2.9100e-003	0.3286	2.1400e-003	0.3307	0.0872	1.9700e-003	0.0891		289.9348	289.9348	7.1700e-003		290.1142
Total	0.1344	0.6663	1.0313	4.9800e-003	0.3828	2.8400e-003	0.3856	0.1028	2.6400e-003	0.1054		513.5410	513.5410	0.0218		514.0855

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.23 Architectural Coating-Phase III - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.3013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.7231	4.8752	7.2405	0.0119		0.2437	0.2437		0.2437	0.2437		1,125.792 2	1,125.792 2	0.0634		1,127.377 0
Total	5.0244	4.8752	7.2405	0.0119		0.2437	0.2437		0.2437	0.2437		1,125.792 2	1,125.792 2	0.0634		1,127.377 0

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.1800e-003	0.1494	0.0436	5.2000e-004	0.0135	1.7000e-004	0.0137	3.9000e-003	1.7000e-004	4.0600e-003		55.9015	55.9015	3.6500e-003		55.9928
Worker	0.0706	0.0412	0.5141	1.7400e-003	0.1972	1.2800e-003	0.1984	0.0523	1.1800e-003	0.0535		173.9609	173.9609	4.3000e-003		174.0685
Total	0.0748	0.1906	0.5577	2.2600e-003	0.2107	1.4500e-003	0.2122	0.0562	1.3500e-003	0.0575		229.8624	229.8624	7.9500e-003		230.0613

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

3.23 Architectural Coating-Phase III - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.3013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.7231	4.8752	7.2405	0.0119		0.2437	0.2437		0.2437	0.2437	0.0000	1,125.792 2	1,125.792 2	0.0634		1,127.377 0
Total	5.0244	4.8752	7.2405	0.0119		0.2437	0.2437		0.2437	0.2437	0.0000	1,125.792 2	1,125.792 2	0.0634		1,127.377 0

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.1800e-003	0.1494	0.0436	5.2000e-004	0.0135	1.7000e-004	0.0137	3.9000e-003	1.7000e-004	4.0600e-003		55.9015	55.9015	3.6500e-003		55.9928
Worker	0.0706	0.0412	0.5141	1.7400e-003	0.1972	1.2800e-003	0.1984	0.0523	1.1800e-003	0.0535		173.9609	173.9609	4.3000e-003		174.0685
Total	0.0748	0.1906	0.5577	2.2600e-003	0.2107	1.4500e-003	0.2122	0.0562	1.3500e-003	0.0575		229.8624	229.8624	7.9500e-003		230.0613

4.0 Operational Detail - Mobile

SDSU West Campus Housing Project - San Diego 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	13.6752	45.5378	114.7615	0.2876	13.6125	0.3390	13.9516	3.7951	0.3192	4.1143		29,129.76 36	29,129.76 36	1.9068		29,177.43 34
Unmitigated	13.6752	45.5378	114.7615	0.2876	13.6125	0.3390	13.9516	3.7951	0.3192	4.1143		29,129.76 36	29,129.76 36	1.9068		29,177.43 34

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	1,541.05	0.00	0.00	1,362,288	1,362,288
Apartments High Rise	1,622.82	0.00	0.00	1,434,573	1,434,573
Apartments Mid Rise	1,566.21	0.00	0.00	1,384,530	1,384,530
Quality Restaurant	0.00	0.00	0.00		
Total	4,730.08	0.00	0.00	4,181,391	4,181,391

4.3 Trip Type Information

SDSU West Campus Housing Project - San Diego 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 High Rise	0.00	0.00	3.40	0.00	0.00	100.00	100	0	0
Apartments High Rise	0.00	0.00	3.40	0.00	0.00	100.00	100	0	0
Apartments Mid Rise	0.00	0.00	3.40	0.00	0.00	100.00	100	0	0
Quality Restaurant	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Quality Restaurant	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452
Apartments High Rise	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452
Apartments High Rise	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452
Apartments Mid Rise	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452
Recreational Swimming Pool	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.8414	24.3842	11.0900	0.1550		1.9631	1.9631		1.9631	1.9631		30,996.8820	30,996.8820	0.5941	0.5683	31,181.0809
NaturalGas Unmitigated	2.8414	24.3842	11.0900	0.1550		1.9631	1.9631		1.9631	1.9631		30,996.8820	30,996.8820	0.5941	0.5683	31,181.0809

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 High Rise	79850.8	0.8611	7.3588	3.1314	0.0470		0.5950	0.5950		0.5950	0.5950		9,394.2066	9,394.2066	0.1801	0.1722	9,450.0316
Apartments High Rise	84087.7	0.9068	7.7493	3.2976	0.0495		0.6265	0.6265		0.6265	0.6265		9,892.6747	9,892.6747	0.1896	0.1814	9,951.4619
Apartments Mid Rise	81969.2	0.8840	7.5540	3.2145	0.0482		0.6108	0.6108		0.6108	0.6108		9,643.4405	9,643.4405	0.1848	0.1768	9,700.7467
Quality Restaurant	17565.8	0.1894	1.7221	1.4466	0.0103		0.1309	0.1309		0.1309	0.1309		2,066.5602	2,066.5602	0.0396	0.0379	2,078.8407
Total		2.8414	24.3842	11.0900	0.1550		1.9631	1.9631		1.9631	1.9631		30,996.8820	30,996.8820	0.5941	0.5683	31,181.0809

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	79.8508	0.8611	7.3588	3.1314	0.0470		0.5950	0.5950		0.5950	0.5950		9,394.2066	9,394.2066	0.1801	0.1722	9,450.0316
Apartments High Rise	84.0877	0.9068	7.7493	3.2976	0.0495		0.6265	0.6265		0.6265	0.6265		9,892.6747	9,892.6747	0.1896	0.1814	9,951.4619
Apartments Mid Rise	81.9692	0.8840	7.5540	3.2145	0.0482		0.6108	0.6108		0.6108	0.6108		9,643.4405	9,643.4405	0.1848	0.1768	9,700.7467
Quality Restaurant	17.5658	0.1894	1.7221	1.4466	0.0103		0.1309	0.1309		0.1309	0.1309		2,066.5602	2,066.5602	0.0396	0.0379	2,078.8407
Total		2.8414	24.3842	11.0900	0.1550		1.9631	1.9631		1.9631	1.9631		30,996.8820	30,996.8820	0.5941	0.5683	31,181.0809

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

No Hearths Installed

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	15.2980	0.7252	62.4820	3.2800e-003		0.3410	0.3410		0.3410	0.3410	0.0000	111.7163	111.7163	0.1107	0.0000	114.4843
Unmitigated	15.2980	0.7252	62.4820	3.2800e-003		0.3410	0.3410		0.3410	0.3410	0.0000	111.7163	111.7163	0.1107	0.0000	114.4843

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	0.3370					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.0347					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	1.9262	0.7252	62.4820	3.2800e-003		0.3410	0.3410		0.3410	0.3410		111.7163	111.7163	0.1107		114.4843
Total	15.2980	0.7252	62.4820	3.2800e-003		0.3410	0.3410		0.3410	0.3410	0.0000	111.7163	111.7163	0.1107	0.0000	114.4843

SDSU West Campus Housing Project - San Diego County APCD Air District, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3370					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.0347					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	1.9262	0.7252	62.4820	3.2800e-003		0.3410	0.3410		0.3410	0.3410		111.7163	111.7163	0.1107		114.4843
Total	15.2980	0.7252	62.4820	3.2800e-003		0.3410	0.3410		0.3410	0.3410	0.0000	111.7163	111.7163	0.1107	0.0000	114.4843

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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SDSU West Campus Housing Project - San Diego 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
Emergency Generator	3	0.25	20	677	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (600 - 750 HP)	0.8333	2.3289	2.1246	4.0000e-003		0.1226	0.1226		0.1226	0.1226		426.2633	426.2633	0.0598		427.7574
Total	0.8333	2.3289	2.1246	4.0000e-003		0.1226	0.1226		0.1226	0.1226		426.2633	426.2633	0.0598		427.7574

11.0 Vegetation

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

SDSU West Campus Housing Project
San Diego County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Quality Restaurant	16.10	1000sqft	0.37	16,100.00	0
Apartments High Rise	245.00	Dwelling Unit	2.35	178,000.00	850
Apartments High Rise	258.00	Dwelling Unit	2.78	210,000.00	866
Apartments Mid Rise	249.00	Dwelling Unit	2.34	205,000.00	850
Recreational Swimming Pool	6.40	1000sqft	0.15	6,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2018
Utility Company	User Defined				
CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - GHG intensity based on SDSU provided energy mix.

Land Use - Based on data provided by SDSU. See Section 2.0 of the DEIR for more information.

Construction Phase - Based on data provided by SDSU. See Section 2.0 of the DEIR for more information.

Off-road Equipment - See Section 2.6.2 for Construction Details.

Off-road Equipment - See Section 2.6.2 for Construction Details.

Off-road Equipment - See Section 2.6.2 for Construction Details.

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Off-road Equipment - See Section 2.6.2 for Construction Details.

Off-road Equipment - See Section 2.6.2 for Construction Details.

Off-road Equipment - See Section 2.6.2 for Construction Details.

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Off-road Equipment - See Section 2.6.2 for Construction Details.

Off-road Equipment - See Section 2.6.2 for Construction Details.

Off-road Equipment - See Section 2.6.2 for Construction Details.

Off-road Equipment - See Section 2.6.2 for Construction Details.

Trips and VMT - See Section 2.6.2 for Construction Details.

On-road Fugitive Dust - CalEEMod defaults.

Demolition - No demolition of structures anticipated for this project.

Grading - See Section 2.6.2 for Construction Details.

Architectural Coating - No VOC paint used for interior. It was assumed 5 g/L to be conservative. No exterior architectural coating.

Vehicle Trips - Based on Traffic Impact Analysis, Linscott, Law & Greenspan, Engineers 2017.

Vehicle Emission Factors - CalEEMod defaults.

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Vehicle Emission Factors - CalEEMod defaults.

Vehicle Emission Factors - CalEEMod defaults.

Road Dust - CalEEMod defaults.

Woodstoves - No woodstoves or fireplaces.

Consumer Products - CalEEMod defaults.

Area Coating - The campus standard is a No VOC paint. It was conservatively assumed 5 g/L for interior and 50 g/L for exterior.

Landscape Equipment - CalEEMod defaults.

Energy Use - Based on energy usage from SDSU. See Section 2.0 of the DEIR for more information.

Water And Wastewater - Based on water usage from SDSU. See Section 2.0 of the DEIR for more information.

Solid Waste - CalEEMod defaults.

Land Use Change - Does not apply to this project.

Sequestration - Does not apply to this project.

Construction Off-road Equipment Mitigation - Fugitive dust mitigation in accordance with SDAPCD Rule 55.

Mobile Land Use Mitigation - No traffic mitigation.

Mobile Commute Mitigation - No commute mitigation.

Area Mitigation - The campus standard is a No VOC paint. It was conservatively assumed 5 g/L for interior and 50 g/L for exterior.

Energy Mitigation - No energy mitigation.

Water Mitigation - No water use mitigation.

Waste Mitigation - CSU Sustainability Policy goal of 80% diversion by 2020.

Stationary Sources - Emergency Generators and Fire Pumps - There is 1 emergency generator for each project phase.

Stationary Sources - Process Boilers - Does not apply to this project.

Stationary Sources - User Defined - Does not apply to this project.

Stationary Sources - Emergency Generators and Fire Pumps EF - CalEEMod defaults.

Stationary Sources - Process Boilers EF - Does not apply to this project.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	0.00

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tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	5.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	5.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	5.00
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	0.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	0.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	0.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	5.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	5.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	5.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	5
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblEnergyUse	LightingElect	741.44	9,052.85
tblEnergyUse	LightingElect	741.44	9,143.74
tblEnergyUse	LightingElect	6.97	9.72
tblEnergyUse	NT24E	3,277.06	40,012.30
tblEnergyUse	NT24E	3,277.06	40,414.03
tblEnergyUse	NT24E	23.69	33.04
tblEnergyUse	NT24NG	4,180.00	56,073.78
tblEnergyUse	NT24NG	4,180.00	56,636.77

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tblEnergyUse	NT24NG	138.46	315.87
tblEnergyUse	T24E	246.93	3,014.97
tblEnergyUse	T24E	246.93	3,045.24
tblEnergyUse	T24E	8.63	12.04
tblEnergyUse	T24NG	4,687.93	62,887.55
tblEnergyUse	T24NG	4,687.93	63,518.95
tblEnergyUse	T24NG	36.10	82.36
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	276.65	0.00
tblFireplaces	NumberGas	136.95	0.00
tblFireplaces	NumberNoFireplace	50.30	0.00
tblFireplaces	NumberNoFireplace	24.90	0.00
tblFireplaces	NumberWood	176.05	0.00
tblFireplaces	NumberWood	87.15	0.00
tblGrading	AcresOfGrading	87.75	94.50
tblGrading	AcresOfGrading	74.25	94.50
tblGrading	AcresOfGrading	29.25	91.00
tblGrading	MaterialExported	0.00	3,111.00
tblGrading	MaterialImported	0.00	15,000.00
tblGrading	MaterialImported	0.00	30,209.00
tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	BuildingSpaceSquareFeet	245,000.00	178,000.00

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tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripNumber	0.00	140.00
tblTripsAndVMT	HaulingTripNumber	1,875.00	1,071.00
tblTripsAndVMT	HaulingTripNumber	4,165.00	2,200.00
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	HaulingTripNumber	1,250.00	715.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	83.00	30.00
tblTripsAndVMT	VendorTripNumber	83.00	30.00
tblTripsAndVMT	VendorTripNumber	83.00	30.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	83.00	24.00
tblTripsAndVMT	VendorTripNumber	83.00	24.00
tblTripsAndVMT	VendorTripNumber	83.00	24.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

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tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	83.00	20.00
tblTripsAndVMT	VendorTripNumber	83.00	10.00
tblTripsAndVMT	VendorTripNumber	83.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	15.00	24.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00
tblTripsAndVMT	WorkerTripNumber	548.00	90.00
tblTripsAndVMT	WorkerTripNumber	548.00	70.00
tblTripsAndVMT	WorkerTripNumber	548.00	90.00
tblTripsAndVMT	WorkerTripNumber	110.00	16.00
tblTripsAndVMT	WorkerTripNumber	8.00	24.00
tblTripsAndVMT	WorkerTripNumber	23.00	20.00
tblTripsAndVMT	WorkerTripNumber	5.00	14.00
tblTripsAndVMT	WorkerTripNumber	548.00	440.00
tblTripsAndVMT	WorkerTripNumber	548.00	240.00
tblTripsAndVMT	WorkerTripNumber	548.00	480.00
tblTripsAndVMT	WorkerTripNumber	5.00	40.00
tblTripsAndVMT	WorkerTripNumber	110.00	24.00
tblTripsAndVMT	WorkerTripNumber	5.00	14.00
tblTripsAndVMT	WorkerTripNumber	548.00	60.00
tblTripsAndVMT	WorkerTripNumber	548.00	30.00
tblTripsAndVMT	WorkerTripNumber	548.00	60.00
tblTripsAndVMT	WorkerTripNumber	8.00	40.00
tblTripsAndVMT	WorkerTripNumber	110.00	24.00
tblTripsAndVMT	WorkerTripNumber	18.00	16.00

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tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TTP	69.00	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TTP	12.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	18.00	0.00
tblVehicleTrips	HO_TL	7.50	3.40
tblVehicleTrips	HO_TL	7.50	3.40
tblVehicleTrips	HO_TTP	39.60	100.00
tblVehicleTrips	HO_TTP	39.60	100.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TTP	18.80	0.00
tblVehicleTrips	HS_TTP	18.80	0.00
tblVehicleTrips	HW_TL	10.80	0.00
tblVehicleTrips	HW_TL	10.80	0.00
tblVehicleTrips	HW_TTP	41.60	0.00
tblVehicleTrips	HW_TTP	41.60	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	44.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	38.00	0.00

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tblVehicleTrips	ST_TR	4.98	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	94.36	0.00
tblVehicleTrips	SU_TR	3.65	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	72.16	0.00
tblVehicleTrips	WD_TR	4.20	6.29
tblVehicleTrips	WD_TR	6.65	6.29
tblVehicleTrips	WD_TR	89.95	0.00
tblWater	IndoorWaterUseRate	32,772,474.89	59,235,120.00
tblWater	IndoorWaterUseRate	16,223,352.38	29,617,560.01
tblWater	IndoorWaterUseRate	4,886,892.77	539,353.20
tblWater	OutdoorWaterUseRate	20,660,908.08	37,343,880.00
tblWater	OutdoorWaterUseRate	10,227,765.63	18,671,939.99
tblWater	OutdoorWaterUseRate	311,929.33	34,426.80
tblWoodstoves	NumberCatalytic	25.15	0.00
tblWoodstoves	NumberCatalytic	12.45	0.00
tblWoodstoves	NumberNoncatalytic	25.15	0.00
tblWoodstoves	NumberNoncatalytic	12.45	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	10.4233	130.4123	64.5404	0.1442	9.5525	5.0804	14.6329	3.2220	4.7020	7.9240	0.0000	14,936.37 34	14,936.37 34	3.4987	0.0000	15,023.83 97
2018	4.4237	44.1683	32.0836	0.0789	0.9446	2.1188	3.0634	0.2552	2.0062	2.2614	0.0000	7,874.278 4	7,874.278 4	1.6534	0.0000	7,915.612 9
2019	8.7985	40.1758	34.5721	0.0782	1.2224	2.0176	3.2400	0.3289	1.9260	2.2548	0.0000	7,719.099 7	7,719.099 7	1.4566	0.0000	7,755.513 6
2020	2.6160	32.7979	17.6908	0.0479	7.1488	1.1592	8.3080	2.1649	1.0670	3.2318	0.0000	4,792.888 9	4,792.888 9	1.2320	0.0000	4,823.689 1
2021	6.2106	14.4686	16.5630	0.0381	1.3116	0.6516	1.9633	0.3534	0.6267	0.9801	0.0000	3,792.134 9	3,792.134 9	0.4207	0.0000	3,802.651 8
2023	4.0117	44.9937	29.8709	0.0897	8.8177	1.6115	10.4292	3.0340	1.4828	4.5168	0.0000	8,904.492 2	8,904.492 2	2.4450	0.0000	8,965.617 9
2024	7.6853	16.2585	25.0918	0.0713	4.6990	0.6211	5.3202	1.2516	0.5911	1.8427	0.0000	7,076.724 5	7,076.724 5	0.6485	0.0000	7,092.935 6
Maximum	10.4233	130.4123	64.5404	0.1442	9.5525	5.0804	14.6329	3.2220	4.7020	7.9240	0.0000	14,936.37 34	14,936.37 34	3.4987	0.0000	15,023.83 97

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	15.2980	0.7252	62.4820	3.2800e-003		0.3410	0.3410		0.3410	0.3410	0.0000	111.7163	111.7163	0.1107	0.0000	114.4843
Energy	2.8414	24.3842	11.0900	0.1550		1.9631	1.9631		1.9631	1.9631		30,996.8820	30,996.8820	0.5941	0.5683	31,181.0809
Mobile	13.3631	46.4282	120.0765	0.2722	13.6125	0.3448	13.9574	3.7951	0.3248	4.1198		27,564.7127	27,564.7127	1.9660		27,613.8632
Stationary	0.8333	2.3289	2.1246	4.0000e-003		0.1226	0.1226		0.1226	0.1226		426.2633	426.2633	0.0598		427.7574
Total	32.3357	73.8665	195.7732	0.4345	13.6125	2.7715	16.3841	3.7951	2.7515	6.5466	0.0000	59,099.5742	59,099.5742	2.7306	0.5683	59,337.1857

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

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	lb/day										lb/day					
Area	15.2980	0.7252	62.4820	3.2800e-003		0.3410	0.3410		0.3410	0.3410	0.0000	111.7163	111.7163	0.1107	0.0000	114.4843
Energy	2.8414	24.3842	11.0900	0.1550		1.9631	1.9631		1.9631	1.9631		30,996.8820	30,996.8820	0.5941	0.5683	31,181.0809
Mobile	13.3631	46.4282	120.0765	0.2722	13.6125	0.3448	13.9574	3.7951	0.3248	4.1198		27,564.7127	27,564.7127	1.9660		27,613.8632
Stationary	0.8333	2.3289	2.1246	4.0000e-003		0.1226	0.1226		0.1226	0.1226		426.2633	426.2633	0.0598		427.7574
Total	32.3357	73.8665	195.7732	0.4345	13.6125	2.7715	16.3841	3.7951	2.7515	6.5466	0.0000	59,099.5742	59,099.5742	2.7306	0.5683	59,337.1857

	ROG	NOx	CO	SO2	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

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition-Phase I	Demolition	11/8/2017	11/29/2017	5	16	
2	Grading-Phase I	Grading	11/15/2017	12/21/2017	5	27	
3	Trenching-Phase I	Trenching	12/22/2017	2/1/2018	5	30	
4	Building Construction-Phase I-1	Building Construction	1/9/2018	4/23/2018	5	75	
5	Building Construction-Phase II-1	Building Construction	4/23/2018	8/16/2018	5	84	
6	Building Construction-Phase III-1	Building Construction	8/27/2018	5/31/2019	5	200	
7	Paving-Phase I	Paving	2/8/2019	5/31/2019	5	81	
8	Architectural Coating-Phase I	Architectural Coating	3/1/2019	5/31/2019	5	66	
9	Grading-Phase II	Grading	5/15/2020	6/19/2020	5	26	
10	Trenching-Phase II	Trenching	6/21/2020	7/22/2020	5	23	
11	Building Construction-Phase I-2	Building Construction	7/9/2020	9/21/2020	5	53	
12	Building Construction-Phase II-2	Building Construction	9/21/2020	4/13/2021	5	147	
13	Building Construction-Phase III-2	Building Construction	5/13/2021	11/29/2021	5	143	
14	Architectural Coating-Phase II	Architectural Coating	8/29/2021	11/29/2021	5	66	
15	Paving-Phase II	Paving	9/8/2021	11/29/2021	5	59	
16	Grading-Phase III	Grading	5/15/2023	6/20/2023	5	27	
17	Trenching-Phase III	Trenching	6/21/2023	7/24/2023	5	24	
18	Building Construction-Phase I-3	Building Construction	7/9/2023	10/23/2023	5	76	
19	Building Construction-Phase II-3	Building Construction	10/21/2023	2/13/2024	5	82	
20	Building Construction-Phase III-3	Building Construction	2/24/2024	11/27/2024	5	198	
21	Paving-Phase III	Paving	8/7/2024	11/27/2024	5	81	
22	Architectural Coating-Phase III	Architectural Coating	8/28/2024	11/27/2024	5	66	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

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Acres of Paving: 0**Residential Indoor: 1,200,825; Residential Outdoor: 400,275; Non-Residential Indoor: 24,150; Non-Residential Outdoor: 8,050; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
	Excavators	2	8.00	158	0.38
	Rubber Tired Loaders	1	8.00	203	0.36
Demolition-Phase I	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition-Phase I	Excavators	3	8.00	158	0.38
Demolition-Phase I	Rubber Tired Dozers	2	8.00	247	0.40
Grading-Phase I	Crawler Tractors	1	8.00	212	0.43
Grading-Phase I	Excavators	2	8.00	158	0.38
Grading-Phase I	Graders	1	4.00	187	0.41
Grading-Phase I	Rubber Tired Dozers	1	6.00	247	0.40
Grading-Phase I	Rubber Tired Loaders	1	4.00	203	0.36
Grading-Phase I	Scrapers	2	8.00	367	0.48
Trenching-Phase I	Excavators	2	8.00	158	0.38
Building Construction-Phase I-1	Bore/Drill Rigs	2	8.00	221	0.50
Building Construction-Phase I-1	Cranes	1	4.00	231	0.29
Building Construction-Phase I-1	Forklifts	1	2.00	89	0.20
Building Construction-Phase I-1	Generator Sets	1	8.00	84	0.74
Building Construction-Phase I-1	Pumps	1	3.00	84	0.74
Building Construction-Phase I-1	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction-Phase II-1	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction-Phase II-1	Cranes	1	2.00	231	0.29
Building Construction-Phase II-1	Forklifts	1	2.00	89	0.20
Building Construction-Phase II-1	Generator Sets	1	8.00	84	0.74

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Building Construction-Phase II-1	Pumps	1	2.00	84	0.74
Building Construction-Phase II-1	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction-Phase III-1	Bore/Drill Rigs	2	8.00	221	0.50
Building Construction-Phase III-1	Cranes	1	4.00	231	0.29
Building Construction-Phase III-1	Forklifts	1	2.00	89	0.20
Building Construction-Phase III-1	Generator Sets	1	8.00	84	0.74
Building Construction-Phase III-1	Pumps	1	4.00	84	0.74
Building Construction-Phase III-1	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving-Phase I	Pavers	1	8.00	130	0.42
Paving-Phase I	Rollers	2	8.00	80	0.38
Architectural Coating-Phase I	Air Compressors	4	6.00	78	0.48
Grading-Phase II	Crawler Tractors	1	8.00	212	0.43
Grading-Phase II	Excavators	2	8.00	158	0.38
Grading-Phase II	Graders	1	2.00	187	0.41
Grading-Phase II	Rubber Tired Dozers	1	4.00	247	0.40
Grading-Phase II	Rubber Tired Loaders	1	4.00	203	0.36
Grading-Phase II	Scrapers	1	4.00	367	0.48
Trenching-Phase II	Excavators	2	8.00	158	0.38
Building Construction-Phase I-2	Forklifts	1	2.00	89	0.20
Building Construction-Phase I-2	Pumps	1	2.00	84	0.74
Building Construction-Phase I-2	Tractors/Loaders/Backhoes	1	1.00	97	0.37
Building Construction-Phase I-2	Welders	1	1.00	46	0.45
Building Construction-Phase II-2	Forklifts	1	2.00	89	0.20
Building Construction-Phase II-2	Pumps	1	2.00	84	0.74
Building Construction-Phase II-2	Tractors/Loaders/Backhoes	1	1.00	97	0.37
Building Construction-Phase II-2	Welders	1	1.00	46	0.45
Building Construction-Phase III-2	Forklifts	1	2.00	89	0.20

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Building Construction-Phase III-2	Pumps	1	2.00	84	0.74
Building Construction-Phase III-2	Tractors/Loaders/Backhoes	1	1.00	97	0.37
Building Construction-Phase III-2	Welders	1	1.00	46	0.45
Architectural Coating-Phase II	Air Compressors	3	6.00	78	0.48
Paving-Phase II	Forklifts	1	4.00	89	0.20
Paving-Phase II	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading-Phase III	Crawler Tractors	2	8.00	212	0.43
Grading-Phase III	Excavators	2	8.00	158	0.38
Grading-Phase III	Graders	1	4.00	187	0.41
Grading-Phase III	Rubber Tired Dozers	1	6.00	247	0.40
Grading-Phase III	Rubber Tired Loaders	1	8.00	203	0.36
Grading-Phase III	Scrapers	2	8.00	367	0.48
Trenching-Phase III	Excavators	2	8.00	158	0.38
Building Construction-Phase I-3	Cranes	1	0.50	231	0.29
Building Construction-Phase I-3	Cranes	2	4.00	231	0.29
Building Construction-Phase I-3	Forklifts	1	4.00	89	0.20
Building Construction-Phase II-3	Cranes	1	0.50	231	0.29
Building Construction-Phase II-3	Cranes	2	4.00	231	0.29
Building Construction-Phase II-3	Forklifts	1	4.00	89	0.20
Building Construction-Phase III-3	Cranes	1	0.50	231	0.29
Building Construction-Phase III-3	Cranes	3	4.00	231	0.29
Building Construction-Phase III-3	Forklifts	1	4.00	89	0.20
Paving-Phase III	Forklifts	1	4.00	89	0.20
Paving-Phase III	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating-Phase III	Air Compressors	4	6.00	78	0.48

Trips and VMT

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition-Phase I	6	24.00	0.00	140.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase I	8	20.00	0.00	2,200.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Trenching-Phase I	2	14.00	4.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase I-1	8	60.00	20.00	10.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase II-1	7	30.00	10.00	10.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase III-1	8	60.00	20.00	10.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Paving-Phase I	3	40.00	8.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating-Phase I	4	24.00	2.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase II	7	16.00	0.00	715.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Trenching-Phase II	2	10.00	2.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase I-2	4	90.00	30.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase II-2	4	70.00	30.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase III-2	4	90.00	30.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating-Phase II	3	16.00	2.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Paving-Phase II	3	24.00	4.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Grading-Phase III	9	20.00	0.00	1,071.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Trenching-Phase III	2	14.00	4.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase I-3	4	440.00	24.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase II-3	4	240.00	24.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction-Phase III-3	5	480.00	24.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Paving-Phase III	2	40.00	8.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating-Phase III	4	24.00	2.00	0.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.2 Demolition-Phase I - 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	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425		3,924.2833	3,924.2833	1.0730		3,951.1070
Total	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425		3,924.2833	3,924.2833	1.0730		3,951.1070

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0598	1.9777	0.4204	3.9000e-003	0.0765	9.3900e-003	0.0859	0.0210	8.9900e-003	0.0300		422.6322	422.6322	0.0475		423.8188
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1274	0.0934	0.8840	2.0900e-003	0.1972	1.4500e-003	0.1986	0.0523	1.3400e-003	0.0536		208.0124	208.0124	7.8500e-003		208.2085
Total	0.1872	2.0711	1.3044	5.9900e-003	0.2737	0.0108	0.2846	0.0733	0.0103	0.0836		630.6446	630.6446	0.0553		632.0273

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.2 Demolition-Phase I - 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	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425	0.0000	3,924.2833	3,924.2833	1.0730		3,951.1070
Total	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425	0.0000	3,924.2833	3,924.2833	1.0730		3,951.1070

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0598	1.9777	0.4204	3.9000e-003	0.0765	9.3900e-003	0.0859	0.0210	8.9900e-003	0.0300		422.6322	422.6322	0.0475		423.8188
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1274	0.0934	0.8840	2.0900e-003	0.1972	1.4500e-003	0.1986	0.0523	1.3400e-003	0.0536		208.0124	208.0124	7.8500e-003		208.2085
Total	0.1872	2.0711	1.3044	5.9900e-003	0.2737	0.0108	0.2846	0.0733	0.0103	0.0836		630.6446	630.6446	0.0553		632.0273

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.3 Grading-Phase I - 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					8.4017	0.0000	8.4017	2.9097	0.0000	2.9097			0.0000			0.0000
Off-Road	5.4699	67.0993	35.5723	0.0613		2.7874	2.7874		2.5644	2.5644		6,272.4790	6,272.4790	1.9219		6,320.5259
Total	5.4699	67.0993	35.5723	0.0613	8.4017	2.7874	11.1891	2.9097	2.5644	5.4741		6,272.4790	6,272.4790	1.9219		6,320.5259

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5570	18.4165	3.9150	0.0363	0.7128	0.0875	0.8003	0.1954	0.0837	0.2791		3,935.6229	3,935.6229	0.4420		3,946.6725
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1061	0.0779	0.7366	1.7400e-003	0.1643	1.2100e-003	0.1655	0.0436	1.1200e-003	0.0447		173.3437	173.3437	6.5400e-003		173.5071
Total	0.6632	18.4943	4.6516	0.0381	0.8771	0.0887	0.9658	0.2390	0.0848	0.3238		4,108.9665	4,108.9665	0.4485		4,120.1796

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.3 Grading-Phase I - 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					3.7808	0.0000	3.7808	1.3094	0.0000	1.3094			0.0000			0.0000
Off-Road	5.4699	67.0993	35.5723	0.0613		2.7874	2.7874		2.5644	2.5644	0.0000	6,272.4790	6,272.4790	1.9219		6,320.5258
Total	5.4699	67.0993	35.5723	0.0613	3.7808	2.7874	6.5682	1.3094	2.5644	3.8738	0.0000	6,272.4790	6,272.4790	1.9219		6,320.5258

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5570	18.4165	3.9150	0.0363	0.7128	0.0875	0.8003	0.1954	0.0837	0.2791		3,935.6229	3,935.6229	0.4420		3,946.6725
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1061	0.0779	0.7366	1.7400e-003	0.1643	1.2100e-003	0.1655	0.0436	1.1200e-003	0.0447		173.3437	173.3437	6.5400e-003		173.5071
Total	0.6632	18.4943	4.6516	0.0381	0.8771	0.0887	0.9658	0.2390	0.0848	0.3238		4,108.9665	4,108.9665	0.4485		4,120.1796

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.4 Trenching-Phase I - 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	0.7066	7.8354	6.6732	0.0103		0.3855	0.3855		0.3547	0.3547		1,055.7946	1,055.7946	0.3235		1,063.8819
Total	0.7066	7.8354	6.6732	0.0103		0.3855	0.3855		0.3547	0.3547		1,055.7946	1,055.7946	0.3235		1,063.8819

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0248	0.5664	0.1709	1.0900e-003	0.0271	5.3500e-003	0.0324	7.8000e-003	5.1100e-003	0.0129		116.7326	116.7326	0.0105		116.9961
Worker	0.0743	0.0545	0.5156	1.2200e-003	0.1150	8.5000e-004	0.1159	0.0305	7.8000e-004	0.0313		121.3406	121.3406	4.5800e-003		121.4550
Total	0.0991	0.6209	0.6866	2.3100e-003	0.1421	6.2000e-003	0.1483	0.0383	5.8900e-003	0.0442		238.0732	238.0732	0.0151		238.4510

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.4 Trenching-Phase I - 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	0.7066	7.8354	6.6732	0.0103		0.3855	0.3855		0.3547	0.3547	0.0000	1,055.7946	1,055.7946	0.3235		1,063.8819
Total	0.7066	7.8354	6.6732	0.0103		0.3855	0.3855		0.3547	0.3547	0.0000	1,055.7946	1,055.7946	0.3235		1,063.8819

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0248	0.5664	0.1709	1.0900e-003	0.0271	5.3500e-003	0.0324	7.8000e-003	5.1100e-003	0.0129		116.7326	116.7326	0.0105		116.9961
Worker	0.0743	0.0545	0.5156	1.2200e-003	0.1150	8.5000e-004	0.1159	0.0305	7.8000e-004	0.0313		121.3406	121.3406	4.5800e-003		121.4550
Total	0.0991	0.6209	0.6866	2.3100e-003	0.1421	6.2000e-003	0.1483	0.0383	5.8900e-003	0.0442		238.0732	238.0732	0.0151		238.4510

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.4 Trenching-Phase I - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5783	6.1918	6.5513	0.0103		0.3003	0.3003		0.2763	0.2763		1,039.170 1	1,039.170 1	0.3235		1,047.257 8
Total	0.5783	6.1918	6.5513	0.0103		0.3003	0.3003		0.2763	0.2763		1,039.170 1	1,039.170 1	0.3235		1,047.257 8

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0215	0.5279	0.1544	1.0900e-003	0.0271	4.1900e-003	0.0313	7.8000e-003	4.0100e-003	0.0118		116.2792	116.2792	0.0101		116.5307
Worker	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280
Total	0.0888	0.5761	0.6090	2.2700e-003	0.1421	5.0200e-003	0.1471	0.0383	4.7700e-003	0.0431		234.2050	234.2050	0.0142		234.5587

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.4 Trenching-Phase I - 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	0.5783	6.1918	6.5513	0.0103		0.3003	0.3003		0.2763	0.2763	0.0000	1,039.170 1	1,039.170 1	0.3235		1,047.257 8
Total	0.5783	6.1918	6.5513	0.0103		0.3003	0.3003		0.2763	0.2763	0.0000	1,039.170 1	1,039.170 1	0.3235		1,047.257 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0215	0.5279	0.1544	1.0900e-003	0.0271	4.1900e-003	0.0313	7.8000e-003	4.0100e-003	0.0118		116.2792	116.2792	0.0101		116.5307
Worker	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280
Total	0.0888	0.5761	0.6090	2.2700e-003	0.1421	5.0200e-003	0.1471	0.0383	4.7700e-003	0.0431		234.2050	234.2050	0.0142		234.5587

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.5 Building Construction-Phase I-1 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1693	23.1346	15.5948	0.0373		1.1544	1.1544		1.0913	1.0913		3,699.6771	3,699.6771	0.9477		3,723.3695
Total	2.1693	23.1346	15.5948	0.0373		1.1544	1.1544		1.0913	1.0913		3,699.6771	3,699.6771	0.9477		3,723.3695

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.9000e-004	0.0280	6.0100e-003	6.0000e-005	1.1700e-003	9.0000e-005	1.2600e-003	3.2000e-004	9.0000e-005	4.1000e-004		6.4020	6.4020	7.0000e-004		6.4195
Vendor	0.1075	2.6396	0.7720	5.4400e-003	0.1354	0.0210	0.1564	0.0390	0.0200	0.0590		581.3959	581.3959	0.0503		582.6536
Worker	0.2885	0.2066	1.9484	5.0800e-003	0.4929	3.5500e-003	0.4964	0.1307	3.2700e-003	0.1340		505.3964	505.3964	0.0175		505.8342
Total	0.3968	2.8742	2.7264	0.0106	0.6295	0.0246	0.6540	0.1700	0.0234	0.1934		1,093.1942	1,093.1942	0.0685		1,094.9074

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.5 Building Construction-Phase I-1 - 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	2.1693	23.1346	15.5948	0.0373		1.1544	1.1544		1.0913	1.0913	0.0000	3,699.677 1	3,699.677 1	0.9477		3,723.369 5
Total	2.1693	23.1346	15.5948	0.0373		1.1544	1.1544		1.0913	1.0913	0.0000	3,699.677 1	3,699.677 1	0.9477		3,723.369 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	7.9000e-004	0.0280	6.0100e-003	6.0000e-005	1.1700e-003	9.0000e-005	1.2600e-003	3.2000e-004	9.0000e-005	4.1000e-004		6.4020	6.4020	7.0000e-004		6.4195
Vendor	0.1075	2.6396	0.7720	5.4400e-003	0.1354	0.0210	0.1564	0.0390	0.0200	0.0590		581.3959	581.3959	0.0503		582.6536
Worker	0.2885	0.2066	1.9484	5.0800e-003	0.4929	3.5500e-003	0.4964	0.1307	3.2700e-003	0.1340		505.3964	505.3964	0.0175		505.8342
Total	0.3968	2.8742	2.7264	0.0106	0.6295	0.0246	0.6540	0.1700	0.0234	0.1934		1,093.194 2	1,093.194 2	0.0685		1,094.907 4

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.6 Building Construction-Phase II-1 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6590	16.7115	12.3969	0.0257		0.9275	0.9275		0.8798	0.8798		2,532.2949	2,532.2949	0.6026		2,547.3605
Total	1.6590	16.7115	12.3969	0.0257		0.9275	0.9275		0.8798	0.8798		2,532.2949	2,532.2949	0.6026		2,547.3605

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.0000e-004	0.0250	5.3700e-003	5.0000e-005	1.0400e-003	8.0000e-005	1.1200e-003	2.9000e-004	8.0000e-005	3.7000e-004		5.7160	5.7160	6.3000e-004		5.7317
Vendor	0.0538	1.3198	0.3860	2.7200e-003	0.0677	0.0105	0.0782	0.0195	0.0100	0.0295		290.6979	290.6979	0.0252		291.3268
Worker	0.1443	0.1033	0.9742	2.5400e-003	0.2464	1.7700e-003	0.2482	0.0654	1.6400e-003	0.0670		252.6982	252.6982	8.7600e-003		252.9171
Total	0.1987	1.4481	1.3656	5.3100e-003	0.3152	0.0123	0.3275	0.0852	0.0117	0.0969		549.1122	549.1122	0.0345		549.9756

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.6 Building Construction-Phase II-1 - 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	1.6590	16.7115	12.3969	0.0257		0.9275	0.9275		0.8798	0.8798	0.0000	2,532.2949	2,532.2949	0.6026		2,547.3605
Total	1.6590	16.7115	12.3969	0.0257		0.9275	0.9275		0.8798	0.8798	0.0000	2,532.2949	2,532.2949	0.6026		2,547.3605

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.0000e-004	0.0250	5.3700e-003	5.0000e-005	1.0400e-003	8.0000e-005	1.1200e-003	2.9000e-004	8.0000e-005	3.7000e-004		5.7160	5.7160	6.3000e-004		5.7317
Vendor	0.0538	1.3198	0.3860	2.7200e-003	0.0677	0.0105	0.0782	0.0195	0.0100	0.0295		290.6979	290.6979	0.0252		291.3268
Worker	0.1443	0.1033	0.9742	2.5400e-003	0.2464	1.7700e-003	0.2482	0.0654	1.6400e-003	0.0670		252.6982	252.6982	8.7600e-003		252.9171
Total	0.1987	1.4481	1.3656	5.3100e-003	0.3152	0.0123	0.3275	0.0852	0.0117	0.0969		549.1122	549.1122	0.0345		549.9756

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.7 Building Construction-Phase III-1 - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2358	23.6565	16.0704	0.0381		1.1889	1.1889		1.1258	1.1258		3,777.5565	3,777.5565	0.9536		3,801.3961
Total	2.2358	23.6565	16.0704	0.0381		1.1889	1.1889		1.1258	1.1258		3,777.5565	3,777.5565	0.9536		3,801.3961

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.9000e-004	0.0105	2.2500e-003	2.0000e-005	8.3000e-004	3.0000e-005	8.7000e-004	2.2000e-004	3.0000e-005	2.5000e-004		2.4007	2.4007	2.6000e-004		2.4073
Vendor	0.1075	2.6396	0.7720	5.4400e-003	0.1354	0.0210	0.1564	0.0390	0.0200	0.0590		581.3959	581.3959	0.0503		582.6536
Worker	0.2885	0.2066	1.9484	5.0800e-003	0.4929	3.5500e-003	0.4964	0.1307	3.2700e-003	0.1340		505.3964	505.3964	0.0175		505.8342
Total	0.3963	2.8566	2.7226	0.0105	0.6291	0.0245	0.6537	0.1699	0.0233	0.1933		1,089.1930	1,089.1930	0.0681		1,090.8952

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.7 Building Construction-Phase III-1 - 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	2.2358	23.6565	16.0704	0.0381		1.1889	1.1889		1.1258	1.1258	0.0000	3,777.5564	3,777.5564	0.9536		3,801.3961
Total	2.2358	23.6565	16.0704	0.0381		1.1889	1.1889		1.1258	1.1258	0.0000	3,777.5564	3,777.5564	0.9536		3,801.3961

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.9000e-004	0.0105	2.2500e-003	2.0000e-005	8.3000e-004	3.0000e-005	8.7000e-004	2.2000e-004	3.0000e-005	2.5000e-004		2.4007	2.4007	2.6000e-004		2.4073
Vendor	0.1075	2.6396	0.7720	5.4400e-003	0.1354	0.0210	0.1564	0.0390	0.0200	0.0590		581.3959	581.3959	0.0503		582.6536
Worker	0.2885	0.2066	1.9484	5.0800e-003	0.4929	3.5500e-003	0.4964	0.1307	3.2700e-003	0.1340		505.3964	505.3964	0.0175		505.8342
Total	0.3963	2.8566	2.7226	0.0105	0.6291	0.0245	0.6537	0.1699	0.0233	0.1933		1,089.1930	1,089.1930	0.0681		1,090.8952

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.7 Building Construction-Phase III-1 - 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	1.9956	21.1137	15.7980	0.0381		1.0213	1.0213		0.9671	0.9671		3,727.5909	3,727.5909	0.9440		3,751.1905
Total	1.9956	21.1137	15.7980	0.0381		1.0213	1.0213		0.9671	0.9671		3,727.5909	3,727.5909	0.9440		3,751.1905

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.8000e-004	9.9900e-003	2.2000e-003	2.0000e-005	7.1000e-004	3.0000e-005	7.4000e-004	1.9000e-004	3.0000e-005	2.2000e-004		2.3772	2.3772	2.6000e-004		2.3836
Vendor	0.0960	2.4818	0.7098	5.3800e-003	0.1354	0.0176	0.1530	0.0390	0.0168	0.0558		577.0005	577.0005	0.0486		578.2161
Worker	0.2665	0.1847	1.7544	4.9200e-003	0.4929	3.5100e-003	0.4964	0.1307	3.2400e-003	0.1340		490.1483	490.1483	0.0158		490.5436
Total	0.3627	2.6764	2.4664	0.0103	0.6290	0.0211	0.6501	0.1699	0.0201	0.1900		1,069.5259	1,069.5259	0.0647		1,071.1434

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.7 Building Construction-Phase III-1 - 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	1.9956	21.1137	15.7980	0.0381		1.0213	1.0213		0.9671	0.9671	0.0000	3,727.5909	3,727.5909	0.9440		3,751.1905
Total	1.9956	21.1137	15.7980	0.0381		1.0213	1.0213		0.9671	0.9671	0.0000	3,727.5909	3,727.5909	0.9440		3,751.1905

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.8000e-004	9.9900e-003	2.2000e-003	2.0000e-005	7.1000e-004	3.0000e-005	7.4000e-004	1.9000e-004	3.0000e-005	2.2000e-004		2.3772	2.3772	2.6000e-004		2.3836
Vendor	0.0960	2.4818	0.7098	5.3800e-003	0.1354	0.0176	0.1530	0.0390	0.0168	0.0558		577.0005	577.0005	0.0486		578.2161
Worker	0.2665	0.1847	1.7544	4.9200e-003	0.4929	3.5100e-003	0.4964	0.1307	3.2400e-003	0.1340		490.1483	490.1483	0.0158		490.5436
Total	0.3627	2.6764	2.4664	0.0103	0.6290	0.0211	0.6501	0.1699	0.0201	0.1900		1,069.5259	1,069.5259	0.0647		1,071.1434

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.8 Paving-Phase I - 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	0.7408	7.6064	6.7162	9.9500e-003		0.4477	0.4477		0.4119	0.4119		984.8657	984.8657	0.3116		992.6557
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7408	7.6064	6.7162	9.9500e-003		0.4477	0.4477		0.4119	0.4119		984.8657	984.8657	0.3116		992.6557

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0384	0.9927	0.2839	2.1500e-003	0.0542	7.0200e-003	0.0612	0.0156	6.7200e-003	0.0223		230.8002	230.8002	0.0195		231.2865
Worker	0.1776	0.1231	1.1696	3.2800e-003	0.3286	2.3400e-003	0.3309	0.0872	2.1600e-003	0.0893		326.7655	326.7655	0.0105		327.0291
Total	0.2160	1.1158	1.4535	5.4300e-003	0.3828	9.3600e-003	0.3921	0.1028	8.8800e-003	0.1116		557.5657	557.5657	0.0300		558.3155

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.8 Paving-Phase I - 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	0.7408	7.6064	6.7162	9.9500e-003		0.4477	0.4477		0.4119	0.4119	0.0000	984.8657	984.8657	0.3116		992.6557
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7408	7.6064	6.7162	9.9500e-003		0.4477	0.4477		0.4119	0.4119	0.0000	984.8657	984.8657	0.3116		992.6557

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0384	0.9927	0.2839	2.1500e-003	0.0542	7.0200e-003	0.0612	0.0156	6.7200e-003	0.0223		230.8002	230.8002	0.0195		231.2865
Worker	0.1776	0.1231	1.1696	3.2800e-003	0.3286	2.3400e-003	0.3309	0.0872	2.1600e-003	0.0893		326.7655	326.7655	0.0105		327.0291
Total	0.2160	1.1158	1.4535	5.4300e-003	0.3828	9.3600e-003	0.3921	0.1028	8.8800e-003	0.1116		557.5657	557.5657	0.0300		558.3155

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.9 Architectural Coating-Phase I - 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	4.3013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0658	7.3415	7.3653	0.0119		0.5151	0.5151		0.5151	0.5151		1,125.792 2	1,125.792 2	0.0951		1,128.169 4
Total	5.3671	7.3415	7.3653	0.0119		0.5151	0.5151		0.5151	0.5151		1,125.792 2	1,125.792 2	0.0951		1,128.169 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.6000e-003	0.2482	0.0710	5.4000e-004	0.0135	1.7600e-003	0.0153	3.9000e-003	1.6800e-003	5.5800e-003		57.7001	57.7001	4.8600e-003		57.8216
Worker	0.1066	0.0739	0.7017	1.9700e-003	0.1972	1.4100e-003	0.1986	0.0523	1.2900e-003	0.0536		196.0593	196.0593	6.3300e-003		196.2175
Total	0.1162	0.3220	0.7727	2.5100e-003	0.2107	3.1700e-003	0.2139	0.0562	2.9700e-003	0.0592		253.7594	253.7594	0.0112		254.0391

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.9 Architectural Coating-Phase I - 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	4.3013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0658	7.3415	7.3653	0.0119		0.5151	0.5151		0.5151	0.5151	0.0000	1,125.792 2	1,125.792 2	0.0951		1,128.169 4
Total	5.3671	7.3415	7.3653	0.0119		0.5151	0.5151		0.5151	0.5151	0.0000	1,125.792 2	1,125.792 2	0.0951		1,128.169 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.6000e-003	0.2482	0.0710	5.4000e-004	0.0135	1.7600e-003	0.0153	3.9000e-003	1.6800e-003	5.5800e-003		57.7001	57.7001	4.8600e-003		57.8216
Worker	0.1066	0.0739	0.7017	1.9700e-003	0.1972	1.4100e-003	0.1986	0.0523	1.2900e-003	0.0536		196.0593	196.0593	6.3300e-003		196.2175
Total	0.1162	0.3220	0.7727	2.5100e-003	0.2107	3.1700e-003	0.2139	0.0562	2.9700e-003	0.0592		253.7594	253.7594	0.0112		254.0391

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.10 Grading-Phase II - 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					6.7768	0.0000	6.7768	2.0641	0.0000	2.0641			0.0000			0.0000
Off-Road	2.4110	27.6013	16.1020	0.0348		1.1448	1.1448		1.0532	1.0532		3,371.0637	3,371.0637	1.0903		3,398.3205
Total	2.4110	27.6013	16.1020	0.0348	6.7768	1.1448	7.9216	2.0641	1.0532	3.1173		3,371.0637	3,371.0637	1.0903		3,398.3205

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1385	5.1522	1.1612	0.0119	0.2406	0.0135	0.2540	0.0660	0.0129	0.0788		1,295.2441	1,295.2441	0.1379		1,298.6923
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0665	0.0444	0.4276	1.2700e-003	0.1314	9.2000e-004	0.1324	0.0349	8.5000e-004	0.0357		126.5811	126.5811	3.8100e-003		126.6764
Total	0.2050	5.1967	1.5888	0.0131	0.3720	0.0144	0.3864	0.1008	0.0137	0.1146		1,421.8252	1,421.8252	0.1417		1,425.3687

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.10 Grading-Phase II - 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					3.0496	0.0000	3.0496	0.9288	0.0000	0.9288			0.0000			0.0000
Off-Road	2.4110	27.6013	16.1020	0.0348		1.1448	1.1448		1.0532	1.0532	0.0000	3,371.0637	3,371.0637	1.0903		3,398.3205
Total	2.4110	27.6013	16.1020	0.0348	3.0496	1.1448	4.1944	0.9288	1.0532	1.9821	0.0000	3,371.0637	3,371.0637	1.0903		3,398.3205

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1385	5.1522	1.1612	0.0119	0.2406	0.0135	0.2540	0.0660	0.0129	0.0788		1,295.2441	1,295.2441	0.1379		1,298.6923
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0665	0.0444	0.4276	1.2700e-003	0.1314	9.2000e-004	0.1324	0.0349	8.5000e-004	0.0357		126.5811	126.5811	3.8100e-003		126.6764
Total	0.2050	5.1967	1.5888	0.0131	0.3720	0.0144	0.3864	0.1008	0.0137	0.1146		1,421.8252	1,421.8252	0.1417		1,425.3687

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.11 Trenching-Phase II - 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	0.4900	4.8253	6.5356	0.0103		0.2337	0.2337		0.2150	0.2150		1,000.2368	1,000.2368	0.3235		1,008.3243
Total	0.4900	4.8253	6.5356	0.0103		0.2337	0.2337		0.2150	0.2150		1,000.2368	1,000.2368	0.3235		1,008.3243

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.8300e-003	0.2253	0.0638	5.3000e-004	0.0135	1.1200e-003	0.0147	3.9000e-003	1.0800e-003	4.9700e-003		57.2924	57.2924	4.6100e-003		57.4077
Worker	0.0416	0.0278	0.2673	7.9000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		79.1132	79.1132	2.3800e-003		79.1727
Total	0.0494	0.2531	0.3310	1.3200e-003	0.0957	1.7000e-003	0.0974	0.0257	1.6100e-003	0.0273		136.4056	136.4056	6.9900e-003		136.5804

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.11 Trenching-Phase II - 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	0.4900	4.8253	6.5356	0.0103		0.2337	0.2337		0.2150	0.2150	0.0000	1,000.2368	1,000.2368	0.3235		1,008.3243
Total	0.4900	4.8253	6.5356	0.0103		0.2337	0.2337		0.2150	0.2150	0.0000	1,000.2368	1,000.2368	0.3235		1,008.3243

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.8300e-003	0.2253	0.0638	5.3000e-004	0.0135	1.1200e-003	0.0147	3.9000e-003	1.0800e-003	4.9700e-003		57.2924	57.2924	4.6100e-003		57.4077
Worker	0.0416	0.0278	0.2673	7.9000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		79.1132	79.1132	2.3800e-003		79.1727
Total	0.0494	0.2531	0.3310	1.3200e-003	0.0957	1.7000e-003	0.0974	0.0257	1.6100e-003	0.0273		136.4056	136.4056	6.9900e-003		136.5804

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.12 Building Construction-Phase I-2 - 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	0.2108	1.6662	1.7415	2.7300e-003		0.1035	0.1035		0.1002	0.1002		256.2971	256.2971	0.0373		257.2291
Total	0.2108	1.6662	1.7415	2.7300e-003		0.1035	0.1035		0.1002	0.1002		256.2971	256.2971	0.0373		257.2291

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1174	3.3800	0.9564	8.0000e-003	0.2031	0.0169	0.2200	0.0585	0.0161	0.0746		859.3867	859.3867	0.0692		861.1155
Worker	0.3740	0.2498	2.4052	7.1500e-003	0.7393	5.1900e-003	0.7445	0.1961	4.7800e-003	0.2009		712.0188	712.0188	0.0214		712.5547
Total	0.4915	3.6299	3.3616	0.0152	0.9424	0.0221	0.9645	0.2546	0.0209	0.2755		1,571.4054	1,571.4054	0.0906		1,573.6701

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.12 Building Construction-Phase I-2 - 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	0.2108	1.6662	1.7415	2.7300e-003		0.1035	0.1035		0.1002	0.1002	0.0000	256.2971	256.2971	0.0373		257.2291
Total	0.2108	1.6662	1.7415	2.7300e-003		0.1035	0.1035		0.1002	0.1002	0.0000	256.2971	256.2971	0.0373		257.2291

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1174	3.3800	0.9564	8.0000e-003	0.2031	0.0169	0.2200	0.0585	0.0161	0.0746		859.3867	859.3867	0.0692		861.1155
Worker	0.3740	0.2498	2.4052	7.1500e-003	0.7393	5.1900e-003	0.7445	0.1961	4.7800e-003	0.2009		712.0188	712.0188	0.0214		712.5547
Total	0.4915	3.6299	3.3616	0.0152	0.9424	0.0221	0.9645	0.2546	0.0209	0.2755		1,571.4054	1,571.4054	0.0906		1,573.6701

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.13 Building Construction-Phase II-2 - 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	0.2108	1.6662	1.7415	2.7300e-003		0.1035	0.1035		0.1002	0.1002		256.2971	256.2971	0.0373		257.2291
Total	0.2108	1.6662	1.7415	2.7300e-003		0.1035	0.1035		0.1002	0.1002		256.2971	256.2971	0.0373		257.2291

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1174	3.3800	0.9564	8.0000e-003	0.2031	0.0169	0.2200	0.0585	0.0161	0.0746		859.3867	859.3867	0.0692		861.1155
Worker	0.2909	0.1943	1.8707	5.5600e-003	0.5750	4.0400e-003	0.5791	0.1525	3.7200e-003	0.1562		553.7924	553.7924	0.0167		554.2092
Total	0.4083	3.5743	2.8271	0.0136	0.7781	0.0209	0.7990	0.2110	0.0199	0.2308		1,413.1790	1,413.1790	0.0858		1,415.3247

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.13 Building Construction-Phase II-2 - 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	0.2108	1.6662	1.7415	2.7300e-003		0.1035	0.1035		0.1002	0.1002	0.0000	256.2971	256.2971	0.0373		257.2291
Total	0.2108	1.6662	1.7415	2.7300e-003		0.1035	0.1035		0.1002	0.1002	0.0000	256.2971	256.2971	0.0373		257.2291

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1174	3.3800	0.9564	8.0000e-003	0.2031	0.0169	0.2200	0.0585	0.0161	0.0746		859.3867	859.3867	0.0692		861.1155
Worker	0.2909	0.1943	1.8707	5.5600e-003	0.5750	4.0400e-003	0.5791	0.1525	3.7200e-003	0.1562		553.7924	553.7924	0.0167		554.2092
Total	0.4083	3.5743	2.8271	0.0136	0.7781	0.0209	0.7990	0.2110	0.0199	0.2308		1,413.1790	1,413.1790	0.0858		1,415.3247

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.13 Building Construction-Phase II-2 - 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	0.1887	1.5229	1.7245	2.7300e-003		0.0886	0.0886		0.0858	0.0858		256.3139	256.3139	0.0360		257.2140
Total	0.1887	1.5229	1.7245	2.7300e-003		0.0886	0.0886		0.0858	0.0858		256.3139	256.3139	0.0360		257.2140

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0956	3.0468	0.8668	7.9200e-003	0.2031	6.6800e-003	0.2098	0.0585	6.3800e-003	0.0649		851.4579	851.4579	0.0663		853.1162
Worker	0.2746	0.1766	1.7453	5.3700e-003	0.5750	3.9700e-003	0.5790	0.1525	3.6600e-003	0.1562		535.1833	535.1833	0.0154		535.5677
Total	0.3702	3.2233	2.6121	0.0133	0.7781	0.0107	0.7888	0.2110	0.0100	0.2210		1,386.6412	1,386.6412	0.0817		1,388.6839

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.13 Building Construction-Phase II-2 - 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	0.1887	1.5229	1.7245	2.7300e-003		0.0886	0.0886		0.0858	0.0858	0.0000	256.3139	256.3139	0.0360		257.2140
Total	0.1887	1.5229	1.7245	2.7300e-003		0.0886	0.0886		0.0858	0.0858	0.0000	256.3139	256.3139	0.0360		257.2140

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0956	3.0468	0.8668	7.9200e-003	0.2031	6.6800e-003	0.2098	0.0585	6.3800e-003	0.0649		851.4579	851.4579	0.0663		853.1162
Worker	0.2746	0.1766	1.7453	5.3700e-003	0.5750	3.9700e-003	0.5790	0.1525	3.6600e-003	0.1562		535.1833	535.1833	0.0154		535.5677
Total	0.3702	3.2233	2.6121	0.0133	0.7781	0.0107	0.7888	0.2110	0.0100	0.2210		1,386.6412	1,386.6412	0.0817		1,388.6839

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.14 Building Construction-Phase III-2 - 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	0.1887	1.5229	1.7245	2.7300e-003		0.0886	0.0886		0.0858	0.0858		256.3139	256.3139	0.0360		257.2140
Total	0.1887	1.5229	1.7245	2.7300e-003		0.0886	0.0886		0.0858	0.0858		256.3139	256.3139	0.0360		257.2140

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0956	3.0468	0.8668	7.9200e-003	0.2031	6.6800e-003	0.2098	0.0585	6.3800e-003	0.0649		851.4579	851.4579	0.0663		853.1162
Worker	0.3530	0.2270	2.2439	6.9000e-003	0.7393	5.1100e-003	0.7444	0.1961	4.7000e-003	0.2008		688.0928	688.0928	0.0198		688.5870
Total	0.4486	3.2738	3.1108	0.0148	0.9424	0.0118	0.9542	0.2546	0.0111	0.2657		1,539.5507	1,539.5507	0.0861		1,541.7032

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.14 Building Construction-Phase III-2 - 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	0.1887	1.5229	1.7245	2.7300e-003		0.0886	0.0886		0.0858	0.0858	0.0000	256.3139	256.3139	0.0360		257.2140
Total	0.1887	1.5229	1.7245	2.7300e-003		0.0886	0.0886		0.0858	0.0858	0.0000	256.3139	256.3139	0.0360		257.2140

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0956	3.0468	0.8668	7.9200e-003	0.2031	6.6800e-003	0.2098	0.0585	6.3800e-003	0.0649		851.4579	851.4579	0.0663		853.1162
Worker	0.3530	0.2270	2.2439	6.9000e-003	0.7393	5.1100e-003	0.7444	0.1961	4.7000e-003	0.2008		688.0928	688.0928	0.0198		688.5870
Total	0.4486	3.2738	3.1108	0.0148	0.9424	0.0118	0.9542	0.2546	0.0111	0.2657		1,539.5507	1,539.5507	0.0861		1,541.7032

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.15 Architectural Coating-Phase II - 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	4.3013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6567	4.5805	5.4527	8.9100e-003		0.2823	0.2823		0.2823	0.2823		844.3442	844.3442	0.0579		845.7927
Total	4.9580	4.5805	5.4527	8.9100e-003		0.2823	0.2823		0.2823	0.2823		844.3442	844.3442	0.0579		845.7927

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.3700e-003	0.2031	0.0578	5.3000e-004	0.0135	4.5000e-004	0.0140	3.9000e-003	4.3000e-004	4.3200e-003		56.7639	56.7639	4.4200e-003		56.8744
Worker	0.0628	0.0404	0.3989	1.2300e-003	0.1314	9.1000e-004	0.1323	0.0349	8.4000e-004	0.0357		122.3276	122.3276	3.5100e-003		122.4155
Total	0.0691	0.2435	0.4567	1.7600e-003	0.1450	1.3600e-003	0.1463	0.0388	1.2700e-003	0.0400		179.0915	179.0915	7.9300e-003		179.2899

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.15 Architectural Coating-Phase II - 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	4.3013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6567	4.5805	5.4527	8.9100e-003		0.2823	0.2823		0.2823	0.2823	0.0000	844.3441	844.3441	0.0579		845.7927
Total	4.9580	4.5805	5.4527	8.9100e-003		0.2823	0.2823		0.2823	0.2823	0.0000	844.3441	844.3441	0.0579		845.7927

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.3700e-003	0.2031	0.0578	5.3000e-004	0.0135	4.5000e-004	0.0140	3.9000e-003	4.3000e-004	4.3200e-003		56.7639	56.7639	4.4200e-003		56.8744
Worker	0.0628	0.0404	0.3989	1.2300e-003	0.1314	9.1000e-004	0.1323	0.0349	8.4000e-004	0.0357		122.3276	122.3276	3.5100e-003		122.4155
Total	0.0691	0.2435	0.4567	1.7600e-003	0.1450	1.3600e-003	0.1463	0.0388	1.2700e-003	0.0400		179.0915	179.0915	7.9300e-003		179.2899

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.16 Paving-Phase II - 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	0.4392	4.3812	5.1044	6.9800e-003		0.2654	0.2654		0.2442	0.2442		675.8156	675.8156	0.2186		681.2799
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4392	4.3812	5.1044	6.9800e-003		0.2654	0.2654		0.2442	0.2442		675.8156	675.8156	0.2186		681.2799

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0128	0.4062	0.1156	1.0600e-003	0.0271	8.9000e-004	0.0280	7.8000e-003	8.5000e-004	8.6500e-003		113.5277	113.5277	8.8400e-003		113.7488
Worker	0.0941	0.0605	0.5984	1.8400e-003	0.1972	1.3600e-003	0.1985	0.0523	1.2500e-003	0.0536		183.4914	183.4914	5.2700e-003		183.6232
Total	0.1069	0.4668	0.7140	2.9000e-003	0.2242	2.2500e-003	0.2265	0.0601	2.1000e-003	0.0622		297.0191	297.0191	0.0141		297.3720

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.16 Paving-Phase II - 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	0.4392	4.3812	5.1044	6.9800e-003		0.2654	0.2654		0.2442	0.2442	0.0000	675.8156	675.8156	0.2186		681.2799
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4392	4.3812	5.1044	6.9800e-003		0.2654	0.2654		0.2442	0.2442	0.0000	675.8156	675.8156	0.2186		681.2799

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0128	0.4062	0.1156	1.0600e-003	0.0271	8.9000e-004	0.0280	7.8000e-003	8.5000e-004	8.6500e-003		113.5277	113.5277	8.8400e-003		113.7488
Worker	0.0941	0.0605	0.5984	1.8400e-003	0.1972	1.3600e-003	0.1985	0.0523	1.2500e-003	0.0536		183.4914	183.4914	5.2700e-003		183.6232
Total	0.1069	0.4668	0.7140	2.9000e-003	0.2242	2.2500e-003	0.2265	0.0601	2.1000e-003	0.0622		297.0191	297.0191	0.0141		297.3720

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.17 Grading-Phase III - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.3064	0.0000	8.3064	2.8953	0.0000	2.8953			0.0000			0.0000
Off-Road	3.8149	40.2398	27.9627	0.0723		1.6036	1.6036		1.4753	1.4753		7,003.2516	7,003.2516	2.2650		7,059.8764
Total	3.8149	40.2398	27.9627	0.0723	8.3064	1.6036	9.9100	2.8953	1.4753	4.3706		7,003.2516	7,003.2516	2.2650		7,059.8764

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1262	4.7120	1.4793	0.0160	0.3470	6.8000e-003	0.3538	0.0951	6.5000e-003	0.1016		1,759.5614	1,759.5614	0.1764		1,763.9704
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0706	0.0420	0.4289	1.4200e-003	0.1643	1.0900e-003	0.1654	0.0436	1.0000e-003	0.0446		141.6792	141.6792	3.6800e-003		141.7711
Total	0.1968	4.7540	1.9082	0.0174	0.5113	7.8900e-003	0.5192	0.1387	7.5000e-003	0.1462		1,901.2406	1,901.2406	0.1800		1,905.7415

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.17 Grading-Phase III - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.7379	0.0000	3.7379	1.3029	0.0000	1.3029			0.0000			0.0000
Off-Road	3.8149	40.2398	27.9627	0.0723		1.6036	1.6036		1.4753	1.4753	0.0000	7,003.2516	7,003.2516	2.2650		7,059.8764
Total	3.8149	40.2398	27.9627	0.0723	3.7379	1.6036	5.3415	1.3029	1.4753	2.7782	0.0000	7,003.2516	7,003.2516	2.2650		7,059.8764

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1262	4.7120	1.4793	0.0160	0.3470	6.8000e-003	0.3538	0.0951	6.5000e-003	0.1016		1,759.5614	1,759.5614	0.1764		1,763.9704
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0706	0.0420	0.4289	1.4200e-003	0.1643	1.0900e-003	0.1654	0.0436	1.0000e-003	0.0446		141.6792	141.6792	3.6800e-003		141.7711
Total	0.1968	4.7540	1.9082	0.0174	0.5113	7.8900e-003	0.5192	0.1387	7.5000e-003	0.1462		1,901.2406	1,901.2406	0.1800		1,905.7415

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.18 Trenching-Phase III - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3774	3.0973	6.5155	0.0103		0.1516	0.1516		0.1395	0.1395		1,000.2113	1,000.2113	0.3235		1,008.2985
Total	0.3774	3.0973	6.5155	0.0103		0.1516	0.1516		0.1395	0.1395		1,000.2113	1,000.2113	0.3235		1,008.2985

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.1600e-003	0.3017	0.0989	1.0200e-003	0.0271	3.8000e-004	0.0275	7.7900e-003	3.6000e-004	8.1600e-003		109.6277	109.6277	7.7900e-003		109.8226
Worker	0.0494	0.0294	0.3002	9.9000e-004	0.1150	7.6000e-004	0.1158	0.0305	7.0000e-004	0.0312		99.1755	99.1755	2.5700e-003		99.2398
Total	0.0586	0.3311	0.3991	2.0100e-003	0.1421	1.1400e-003	0.1432	0.0383	1.0600e-003	0.0394		208.8032	208.8032	0.0104		209.0624

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.18 Trenching-Phase III - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3774	3.0973	6.5155	0.0103		0.1516	0.1516		0.1395	0.1395	0.0000	1,000.2113	1,000.2113	0.3235		1,008.2985
Total	0.3774	3.0973	6.5155	0.0103		0.1516	0.1516		0.1395	0.1395	0.0000	1,000.2113	1,000.2113	0.3235		1,008.2985

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.1600e-003	0.3017	0.0989	1.0200e-003	0.0271	3.8000e-004	0.0275	7.7900e-003	3.6000e-004	8.1600e-003		109.6277	109.6277	7.7900e-003		109.8226
Worker	0.0494	0.0294	0.3002	9.9000e-004	0.1150	7.6000e-004	0.1158	0.0305	7.0000e-004	0.0312		99.1755	99.1755	2.5700e-003		99.2398
Total	0.0586	0.3311	0.3991	2.0100e-003	0.1421	1.1400e-003	0.1432	0.0383	1.0600e-003	0.0394		208.8032	208.8032	0.0104		209.0624

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.19 Building Construction-Phase I-3 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4247	4.5338	2.5215	6.9000e-003		0.1990	0.1990		0.1830	0.1830		667.7609	667.7609	0.2160		673.1601
Total	0.4247	4.5338	2.5215	6.9000e-003		0.1990	0.1990		0.1830	0.1830		667.7609	667.7609	0.2160		673.1601

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0549	1.8101	0.5931	6.0900e-003	0.1625	2.2600e-003	0.1647	0.0468	2.1600e-003	0.0489		657.7664	657.7664	0.0468		658.9354
Worker	1.5530	0.9237	9.4353	0.0313	3.6145	0.0239	3.6384	0.9587	0.0221	0.9808		3,116.9433	3,116.9433	0.0809		3,118.9651
Total	1.6079	2.7339	10.0284	0.0374	3.7770	0.0262	3.8032	1.0055	0.0242	1.0297		3,774.7097	3,774.7097	0.1276		3,777.9005

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.19 Building Construction-Phase I-3 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4247	4.5338	2.5215	6.9000e-003		0.1990	0.1990		0.1830	0.1830	0.0000	667.7609	667.7609	0.2160		673.1601
Total	0.4247	4.5338	2.5215	6.9000e-003		0.1990	0.1990		0.1830	0.1830	0.0000	667.7609	667.7609	0.2160		673.1601

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0549	1.8101	0.5931	6.0900e-003	0.1625	2.2600e-003	0.1647	0.0468	2.1600e-003	0.0489		657.7664	657.7664	0.0468		658.9354
Worker	1.5530	0.9237	9.4353	0.0313	3.6145	0.0239	3.6384	0.9587	0.0221	0.9808		3,116.9433	3,116.9433	0.0809		3,118.9651
Total	1.6079	2.7339	10.0284	0.0374	3.7770	0.0262	3.8032	1.0055	0.0242	1.0297		3,774.7097	3,774.7097	0.1276		3,777.9005

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.20 Building Construction-Phase II-3 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4247	4.5338	2.5215	6.9000e-003		0.1990	0.1990		0.1830	0.1830		667.7609	667.7609	0.2160		673.1601
Total	0.4247	4.5338	2.5215	6.9000e-003		0.1990	0.1990		0.1830	0.1830		667.7609	667.7609	0.2160		673.1601

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0549	1.8101	0.5931	6.0900e-003	0.1625	2.2600e-003	0.1647	0.0468	2.1600e-003	0.0489		657.7664	657.7664	0.0468		658.9354
Worker	0.8471	0.5039	5.1465	0.0171	1.9715	0.0131	1.9846	0.5230	0.0120	0.5350		1,700.1509	1,700.1509	0.0441		1,701.2537
Total	0.9020	2.3140	5.7396	0.0231	2.1340	0.0153	2.1493	0.5697	0.0142	0.5839		2,357.9173	2,357.9173	0.0909		2,360.1891

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.20 Building Construction-Phase II-3 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4247	4.5338	2.5215	6.9000e-003		0.1990	0.1990		0.1830	0.1830	0.0000	667.7609	667.7609	0.2160		673.1601
Total	0.4247	4.5338	2.5215	6.9000e-003		0.1990	0.1990		0.1830	0.1830	0.0000	667.7609	667.7609	0.2160		673.1601

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0549	1.8101	0.5931	6.0900e-003	0.1625	2.2600e-003	0.1647	0.0468	2.1600e-003	0.0489		657.7664	657.7664	0.0468		658.9354
Worker	0.8471	0.5039	5.1465	0.0171	1.9715	0.0131	1.9846	0.5230	0.0120	0.5350		1,700.1509	1,700.1509	0.0441		1,701.2537
Total	0.9020	2.3140	5.7396	0.0231	2.1340	0.0153	2.1493	0.5697	0.0142	0.5839		2,357.9173	2,357.9173	0.0909		2,360.1891

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.20 Building Construction-Phase II-3 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3996	4.1651	2.4553	6.9000e-003		0.1804	0.1804		0.1660	0.1660		667.7482	667.7482	0.2160		673.1473
Total	0.3996	4.1651	2.4553	6.9000e-003		0.1804	0.1804		0.1660	0.1660		667.7482	667.7482	0.2160		673.1473

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0530	1.7849	0.5742	6.0500e-003	0.1625	2.2000e-003	0.1647	0.0468	2.1000e-003	0.0489		653.6565	653.6565	0.0462		654.8102
Worker	0.8071	0.4621	4.8044	0.0164	1.9715	0.0128	1.9844	0.5230	0.0118	0.5348		1,633.2286	1,633.2286	0.0405		1,634.2413
Total	0.8600	2.2470	5.3786	0.0224	2.1340	0.0150	2.1490	0.5697	0.0139	0.5836		2,286.8851	2,286.8851	0.0867		2,289.0515

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.20 Building Construction-Phase II-3 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3996	4.1651	2.4553	6.9000e-003		0.1804	0.1804		0.1660	0.1660	0.0000	667.7482	667.7482	0.2160		673.1473
Total	0.3996	4.1651	2.4553	6.9000e-003		0.1804	0.1804		0.1660	0.1660	0.0000	667.7482	667.7482	0.2160		673.1473

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0530	1.7849	0.5742	6.0500e-003	0.1625	2.2000e-003	0.1647	0.0468	2.1000e-003	0.0489		653.6565	653.6565	0.0462		654.8102
Worker	0.8071	0.4621	4.8044	0.0164	1.9715	0.0128	1.9844	0.5230	0.0118	0.5348		1,633.2286	1,633.2286	0.0405		1,634.2413
Total	0.8600	2.2470	5.3786	0.0224	2.1340	0.0150	2.1490	0.5697	0.0139	0.5836		2,286.8851	2,286.8851	0.0867		2,289.0515

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.21 Building Construction-Phase III-3 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5655	5.9172	3.3426	9.7800e-003		0.2533	0.2533		0.2331	0.2331		947.1519	947.1519	0.3063		954.8101
Total	0.5655	5.9172	3.3426	9.7800e-003		0.2533	0.2533		0.2331	0.2331		947.1519	947.1519	0.3063		954.8101

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0530	1.7849	0.5742	6.0500e-003	0.1625	2.2000e-003	0.1647	0.0468	2.1000e-003	0.0489		653.6565	653.6565	0.0462		654.8102
Worker	1.6141	0.9242	9.6087	0.0328	3.9431	0.0256	3.9687	1.0459	0.0236	1.0695		3,266.4573	3,266.4573	0.0810		3,268.4825
Total	1.6671	2.7091	10.1830	0.0388	4.1056	0.0278	4.1334	1.0927	0.0257	1.1184		3,920.1138	3,920.1138	0.1272		3,923.2928

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.21 Building Construction-Phase III-3 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5655	5.9172	3.3426	9.7800e-003		0.2533	0.2533		0.2331	0.2331	0.0000	947.1519	947.1519	0.3063		954.8101
Total	0.5655	5.9172	3.3426	9.7800e-003		0.2533	0.2533		0.2331	0.2331	0.0000	947.1519	947.1519	0.3063		954.8101

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0530	1.7849	0.5742	6.0500e-003	0.1625	2.2000e-003	0.1647	0.0468	2.1000e-003	0.0489		653.6565	653.6565	0.0462		654.8102
Worker	1.6141	0.9242	9.6087	0.0328	3.9431	0.0256	3.9687	1.0459	0.0236	1.0695		3,266.4573	3,266.4573	0.0810		3,268.4825
Total	1.6671	2.7091	10.1830	0.0388	4.1056	0.0278	4.1334	1.0927	0.0257	1.1184		3,920.1138	3,920.1138	0.1272		3,923.2928

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.22 Paving-Phase III - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1910	1.8900	2.8053	3.8800e-003		0.0920	0.0920		0.0846	0.0846		375.7822	375.7822	0.1215		378.8205
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1910	1.8900	2.8053	3.8800e-003		0.0920	0.0920		0.0846	0.0846		375.7822	375.7822	0.1215		378.8205

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0177	0.5950	0.1914	2.0200e-003	0.0542	7.3000e-004	0.0549	0.0156	7.0000e-004	0.0163		217.8855	217.8855	0.0154		218.2701
Worker	0.1345	0.0770	0.8007	2.7300e-003	0.3286	2.1400e-003	0.3307	0.0872	1.9700e-003	0.0891		272.2048	272.2048	6.7500e-003		272.3735
Total	0.1522	0.6720	0.9921	4.7500e-003	0.3828	2.8700e-003	0.3856	0.1028	2.6700e-003	0.1054		490.0903	490.0903	0.0221		490.6436

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.22 Paving-Phase III - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1910	1.8900	2.8053	3.8800e-003		0.0920	0.0920		0.0846	0.0846	0.0000	375.7822	375.7822	0.1215		378.8205
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1910	1.8900	2.8053	3.8800e-003		0.0920	0.0920		0.0846	0.0846	0.0000	375.7822	375.7822	0.1215		378.8205

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0177	0.5950	0.1914	2.0200e-003	0.0542	7.3000e-004	0.0549	0.0156	7.0000e-004	0.0163		217.8855	217.8855	0.0154		218.2701
Worker	0.1345	0.0770	0.8007	2.7300e-003	0.3286	2.1400e-003	0.3307	0.0872	1.9700e-003	0.0891		272.2048	272.2048	6.7500e-003		272.3735
Total	0.1522	0.6720	0.9921	4.7500e-003	0.3828	2.8700e-003	0.3856	0.1028	2.6700e-003	0.1054		490.0903	490.0903	0.0221		490.6436

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.23 Architectural Coating-Phase III - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.3013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.7231	4.8752	7.2405	0.0119		0.2437	0.2437		0.2437	0.2437		1,125.792 2	1,125.792 2	0.0634		1,127.377 0
Total	5.0244	4.8752	7.2405	0.0119		0.2437	0.2437		0.2437	0.2437		1,125.792 2	1,125.792 2	0.0634		1,127.377 0

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.4100e-003	0.1487	0.0479	5.0000e-004	0.0135	1.8000e-004	0.0137	3.9000e-003	1.7000e-004	4.0700e-003		54.4714	54.4714	3.8500e-003		54.5675
Worker	0.0807	0.0462	0.4804	1.6400e-003	0.1972	1.2800e-003	0.1984	0.0523	1.1800e-003	0.0535		163.3229	163.3229	4.0500e-003		163.4241
Total	0.0851	0.1950	0.5283	2.1400e-003	0.2107	1.4600e-003	0.2122	0.0562	1.3500e-003	0.0575		217.7942	217.7942	7.9000e-003		217.9917

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

3.23 Architectural Coating-Phase III - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.3013					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.7231	4.8752	7.2405	0.0119		0.2437	0.2437		0.2437	0.2437	0.0000	1,125.792 2	1,125.792 2	0.0634		1,127.377 0
Total	5.0244	4.8752	7.2405	0.0119		0.2437	0.2437		0.2437	0.2437	0.0000	1,125.792 2	1,125.792 2	0.0634		1,127.377 0

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.4100e-003	0.1487	0.0479	5.0000e-004	0.0135	1.8000e-004	0.0137	3.9000e-003	1.7000e-004	4.0700e-003		54.4714	54.4714	3.8500e-003		54.5675
Worker	0.0807	0.0462	0.4804	1.6400e-003	0.1972	1.2800e-003	0.1984	0.0523	1.1800e-003	0.0535		163.3229	163.3229	4.0500e-003		163.4241
Total	0.0851	0.1950	0.5283	2.1400e-003	0.2107	1.4600e-003	0.2122	0.0562	1.3500e-003	0.0575		217.7942	217.7942	7.9000e-003		217.9917

4.0 Operational Detail - Mobile

SDSU West Campus Housing Project - San Diego 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	13.3631	46.4282	120.0765	0.2722	13.6125	0.3448	13.9574	3.7951	0.3248	4.1198		27,564.71 27	27,564.71 27	1.9660		27,613.86 32
Unmitigated	13.3631	46.4282	120.0765	0.2722	13.6125	0.3448	13.9574	3.7951	0.3248	4.1198		27,564.71 27	27,564.71 27	1.9660		27,613.86 32

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	1,541.05	0.00	0.00	1,362,288	1,362,288
Apartments High Rise	1,622.82	0.00	0.00	1,434,573	1,434,573
Apartments Mid Rise	1,566.21	0.00	0.00	1,384,530	1,384,530
Quality Restaurant	0.00	0.00	0.00		
Total	4,730.08	0.00	0.00	4,181,391	4,181,391

4.3 Trip Type Information

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	0.00	0.00	3.40	0.00	0.00	100.00	100	0	0
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Apartments High Rise	0.00	0.00	3.40	0.00	0.00	100.00	100	0	0
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Apartments Mid Rise	0.00	0.00	3.40	0.00	0.00	100.00	100	0	0
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Quality Restaurant	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Quality Restaurant	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452
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Apartments High Rise	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Apartments High Rise	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Apartments Mid Rise	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Recreational Swimming Pool	0.574135	0.045525	0.189369	0.116519	0.019283	0.005646	0.014833	0.022073	0.001871	0.002173	0.006385	0.000739	0.001452

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.8414	24.3842	11.0900	0.1550		1.9631	1.9631		1.9631	1.9631		30,996.8820	30,996.8820	0.5941	0.5683	31,181.0809
NaturalGas Unmitigated	2.8414	24.3842	11.0900	0.1550		1.9631	1.9631		1.9631	1.9631		30,996.8820	30,996.8820	0.5941	0.5683	31,181.0809

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 High Rise	79850.8	0.8611	7.3588	3.1314	0.0470		0.5950	0.5950		0.5950	0.5950		9,394.2066	9,394.2066	0.1801	0.1722	9,450.0316
Apartments High Rise	84087.7	0.9068	7.7493	3.2976	0.0495		0.6265	0.6265		0.6265	0.6265		9,892.6747	9,892.6747	0.1896	0.1814	9,951.4619
Apartments Mid Rise	81969.2	0.8840	7.5540	3.2145	0.0482		0.6108	0.6108		0.6108	0.6108		9,643.4405	9,643.4405	0.1848	0.1768	9,700.7467
Quality Restaurant	17565.8	0.1894	1.7221	1.4466	0.0103		0.1309	0.1309		0.1309	0.1309		2,066.5602	2,066.5602	0.0396	0.0379	2,078.8407
Total		2.8414	24.3842	11.0900	0.1550		1.9631	1.9631		1.9631	1.9631		30,996.8820	30,996.8820	0.5941	0.5683	31,181.0809

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	79.8508	0.8611	7.3588	3.1314	0.0470		0.5950	0.5950		0.5950	0.5950		9,394.2066	9,394.2066	0.1801	0.1722	9,450.0316
Apartments High Rise	84.0877	0.9068	7.7493	3.2976	0.0495		0.6265	0.6265		0.6265	0.6265		9,892.6747	9,892.6747	0.1896	0.1814	9,951.4619
Apartments Mid Rise	81.9692	0.8840	7.5540	3.2145	0.0482		0.6108	0.6108		0.6108	0.6108		9,643.4405	9,643.4405	0.1848	0.1768	9,700.7467
Quality Restaurant	17.5658	0.1894	1.7221	1.4466	0.0103		0.1309	0.1309		0.1309	0.1309		2,066.5602	2,066.5602	0.0396	0.0379	2,078.8407
Total		2.8414	24.3842	11.0900	0.1550		1.9631	1.9631		1.9631	1.9631		30,996.8820	30,996.8820	0.5941	0.5683	31,181.0809

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

No Hearths Installed

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	15.2980	0.7252	62.4820	3.2800e-003		0.3410	0.3410		0.3410	0.3410	0.0000	111.7163	111.7163	0.1107	0.0000	114.4843
Unmitigated	15.2980	0.7252	62.4820	3.2800e-003		0.3410	0.3410		0.3410	0.3410	0.0000	111.7163	111.7163	0.1107	0.0000	114.4843

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	0.3370					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.0347					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	1.9262	0.7252	62.4820	3.2800e-003		0.3410	0.3410		0.3410	0.3410		111.7163	111.7163	0.1107		114.4843
Total	15.2980	0.7252	62.4820	3.2800e-003		0.3410	0.3410		0.3410	0.3410	0.0000	111.7163	111.7163	0.1107	0.0000	114.4843

SDSU West Campus Housing Project - San Diego County APCD Air District, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3370					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.0347					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	1.9262	0.7252	62.4820	3.2800e-003		0.3410	0.3410		0.3410	0.3410		111.7163	111.7163	0.1107		114.4843
Total	15.2980	0.7252	62.4820	3.2800e-003		0.3410	0.3410		0.3410	0.3410	0.0000	111.7163	111.7163	0.1107	0.0000	114.4843

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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SDSU West Campus Housing Project - San Diego 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
Emergency Generator	3	0.25	20	677	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (600 - 750 HP)	0.8333	2.3289	2.1246	4.0000e-003		0.1226	0.1226		0.1226	0.1226		426.2633	426.2633	0.0598		427.7574
Total	0.8333	2.3289	2.1246	4.0000e-003		0.1226	0.1226		0.1226	0.1226		426.2633	426.2633	0.0598		427.7574

11.0 Vegetation

Phase	Equipment	Qty	Hours/day	Days	Total Hours	HP	LF	HP-HR	kWh	MWh	CO2	CH4	N2O	CO2E	2018	2019	2020	2021	2022	2023	2024	
Building Construction 1.1 – Foundations	Tower Crane	2	8	75	1200	231	0.29	80388	59946.31	59.95	43190.72	1.74	0.36	19.66	19.66							
Building Construction 1.2 - Superstructure	Tower Crane	2	8	84	1344	231	0.29	90034.56	67139.87	67.14	48373.6	1.95	0.40	22.02	22.02							
Building Construction 1.3 - Building Envelope & Interior Buildout	Personnel Lift	2	8	200	3200	63	0.31	62496	46604.03	46.60	33577.74	1.35	0.28	15.28	6.72	8.56						
														Total	56.96							
Building Construction 2.1 – Foundations	Tower Crane	1	8	53	424	231	0.29	28403.76	21181.03	21.18	15260.72	0.61	0.13	6.95		6.95						
Building Construction 2.2 - Superstructure	Tower Crane	1	8	147	1176	231	0.29	78780.24	58747.38	58.75	42326.9	1.70	0.35	19.27		9.17	10.09					
Building Construction 2.3 - Building Envelope & Interior Buildout	Personnel Lift	1	8	143	1144	63	0.31	22342.32	16660.94	16.66	12004.04	0.48	0.10	5.46				5.46				
														Total	31.68							
Building Construction 3.1 – Foundations	Tower Crane	2	8	76	1216	231	0.29	81459.84	60745.59	60.75	43766.59	1.76	0.36	19.92							19.92	
Building Construction 3.2 - Superstructure	Tower Crane	1	8	82	656	231	0.29	43945.44	32770.65	32.77	23610.92	0.95	0.20	10.75							4.19	6.55
Building Construction 3.3 - Building Envelope & Interior Buildout	Personnel Lift	4	8	198	6336	63	0.31	123742.1	92275.97	92.28	66483.92	2.68	0.55	30.26								30.26
														Total	60.93	48.40	8.56	16.12	15.56	0.00	24.12	36.81

lb/MWh
CO2 CH4 N2O
 720.49 0.029 0.006

Construction Phase	Equipment	Qty	kWh
Phase 1			
Building Construction 1.1 – Foundations	Tower Crane	2	59,946.31
Building Construction 1.2 - Superstructure	Tower Crane	2	67,139.87
Building Construction 1.3 - Building Envelope & Interior Buildout	Personnel Lift	2	46,604.03
Phase 2			
Building Construction 2.1 – Foundations	Tower Crane	1	21,181.03
Building Construction 2.2 - Superstructure	Tower Crane	1	58,747.38
Building Construction 2.3 - Building Envelope & Interior Buildout	Personnel Lift	1	16,660.94
Phase 3			
Building Construction 3.1 – Foundations	Tower Crane	2	60,745.59
Building Construction 3.2 - Superstructure	Tower Crane	1	32,770.65
Building Construction 3.3 - Building Envelope & Interior Buildout	Personnel Lift	4	92,275.97
Total			456,071.77