

December 19, 2018

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VIA EMAIL
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Subject: Air Quality and Greenhouse Gas Emissions Analysis for the Proposed Queen of the Valley Hospital Specific Plan Project in the City of West Covina, California

Dear Mr. Chang,

This Letter Report presents the results of the air quality and greenhouse gas emissions analysis for the proposed Queen of the Valley Hospital Specific Plan (QVHSP) Project located at 1135 South Sunset Avenue in the City of West Covina, California (hereinafter referred to as the “Project”). This analysis addresses the potential air quality and greenhouse gas emission impacts associated with the Project in accordance with the California Environmental Quality Act (CEQA) (*California Public Resources Code* §21000 et seq.) and the State CEQA Guidelines (*California Code of Regulations*, Title 14, §15000 et seq.).

PROJECT SETTING AND DESCRIPTION

The Queen of the Valley Hospital Specific Plan (QVHSP) Project site occupies 28.8 acres and is located at 1135 South Sunset Avenue in the City of West Covina. A “specific plan” is a customized regulatory document established in order to provide a flexible means of implementing a General Plan. It provides more focused guidance and regulations and details the permitted uses of specific areas. The proposed Queen of the Valley Hospital Specific Plan (QVHSP) would govern the future development of the entire hospital campus. The Queen of the Valley Hospital (QVH) currently occupies 1.09 million square feet of buildings, and it is anticipated to expand up to approximately 1.58 million square feet (plus 490,000 square feet) in approximately five phases over at least the next ten years (2019 – 2028+). The Immediate Improvements phase is the most immediate phase planned by the hospital and is referred to in the master plan documents as “make ready”. This phase is the demolition of four existing buildings totaling 20,000 square feet: Building A, Building B, and the two Marion Oakwood Rooms. The 3-acre former Sunset Field Park property would be converted to surface parking and provide 500 parking spaces in the northeast corner of the Project site. During Phase 1A, the second floor of the main hospital building, which is currently closed, would be reconstructed (approximately 15,000 square feet) and reutilized for patient rooms. A new Emergency Room/Department would be constructed with 10,000 square feet of space to be demolished but 33,000 square feet of new building area added to accommodate an expansion from 27 to 60 beds. The Intensive Care Unit would also be reconstructed and expanded to add 33,000 square feet of new building area. These improvements would add approximately 77 patient beds to the current total of 325 beds. Phase 1B would focus on the construction of a new Medical Office Building (MOB) and Ambulatory Surgery Center (ASC) with 90,000 square feet northeast of the existing main building. A new multi-story parking structure with 500 spaces would be built northwest of the existing main building. Minor signage and monumentation changes would be installed to address the new building and uses.

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During Phase 2, a new five- to six-story tall Medical Tower with 304 additional patient beds and 132,000 additional square feet would be constructed adjacent to the existing main building. During the Long Range Improvements Phase, a 90,000-square-foot (sf) MOB would be constructed, and a 132,000-sf hospital building may be constructed. Additionally, a second multi-story parking structure would also be added on the north side of the property adjacent to the City's Orangewood Park.

AIR QUALITY ANALYSIS

Project construction would be staged in five phases: Immediate Improvements (2019), Phase 1A (2020-2022), Phase 1B (2020-2022), Phase 2 (2022-2026), and Long Range Improvements (2028+). Relevant elements of the proposed Project related to the analysis of potential air quality impacts include (1) demolition of four buildings, which would require export of demolition and construction debris; (2) on-site grading activities; (3) construction of hospital and medical office uses and parking structures; and (4) the vehicle trips generated by the proposed Project.

The Project site is located in the Los Angeles County portion of the South Coast Air Basin (SoCAB), and, for air quality regulation and permitting, is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). The SoCAB is a 6,600-square-mile area bound by the Pacific Ocean to the west; the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east; and the San Diego County line to the south. The SoCAB includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties, in addition to the San Geronio Pass area of Riverside County. The SoCAB's terrain and geographical location (i.e., a coastal plain with connecting broad valleys and low hills) determine its distinctive semi-arid climate, which is characterized by moderate temperatures, oceanic influence, and precipitation that is limited to a few storms during the winter (November through April).

Existing Air Quality Conditions

Air quality data for the Project site is represented by the monitoring station located at 4144 San Gabriel River Parkway in the City of Pico Rivera. The monitoring station is located approximately 8 miles southwest of the Project site. Pollutants measured at the Pico Rivera Monitoring Station include ozone (O₃), particulate matter of less than 2.5 microns (PM_{2.5}), carbon monoxide (CO), and nitrogen dioxide (NO₂). Data for particulate matter of less than 10 microns (PM₁₀) was provided from the Azusa Monitoring Station because PM₁₀ was not provided from the California Air Resources Board (CARB) website for the Pico Rivera monitoring station. The Azusa Monitoring Station is located at 803 North Loren Avenue in the City of Azusa, California, approximately 5 miles north of the Project site. The monitoring data presented in Table 1, Air Quality Levels Measured at the Pico Rivera and Azusa Monitoring Stations, were obtained from California Air Resources Board (CARB 2018). Federal and State air quality standards are presented with the frequency that may be exceeded.

**TABLE 1
 AIR QUALITY LEVELS MEASURED AT THE PICO RIVERA AND AZUZA
 MONITORING STATIONS**

Pollutant	California Standard	National Standard	Year	Maximum Level ^a	Days State Standard Exceeded	Days National Standard Exceeded
Pico Rivera Monitoring Station Data						
O ₃ (1 hour)	0.09 ppm	None	2015	0.107	6	0
			2016	0.111	9	0
			2017	0.118	7	0
O ₃ (8 hour)	0.070 ppm	0.070 ppm	2015	0.082	11	11
			2016	0.081	6	6
			2017	0.087	9	9
NO ₂ (1 Hour)	0.18 ppm	0.100 ppm	2015	0.070	0	0
			2016	0.063	0	0
			2017	0.075	0	0
PM2.5 (24 Hour)	None	35 µg/m ³	2015	52.7	N/A	3
			2016	46.5	N/A	2
			2017	49.5	N/A	1
CO (1-hour)	20 ppm	20 ppm	2015	2.8	0	0
			2016	2.8	0	0
			2017	--	--	--
CO (8-hour)	9 ppm	9 ppm	2015	1.7	0	0
			2016	1.7	0	0
			2017	--	--	--
Azusa Monitoring Station Data						
PM10 (24 hour)	50 µg/m ³	150 µg/m ³	2015	99.0	12	0
			2016	74.6	12	0
			2017	83.9	7	0
-: Data Not Reported or insufficient data available to determine the value; O ₃ : ozone; ppm: parts per million; PM10: respirable particulate matter with a diameter of 10 microns or less; µg/m ³ : micrograms per cubic meter; AAM: Annual Arithmetic Mean; NO ₂ : nitrogen dioxide; CO: carbon monoxide; PM2.5: fine particulate matter with a diameter of 2.5 microns or less; SO ₂ : sulfur dioxide. N/A indicates that there is no applicable standard.						
^a California maximum levels were used.						
Source: CARB 2018, SCAQMD 2018.						

Regulatory Background

Pollutants and Standards

The U.S. Environmental Protection Agency (USEPA) defines seven “criteria” air pollutants: ozone (O₃), carbon monoxide (CO), nitrogen dioxide (NO₂), sulfur dioxide (SO₂), respirable particulate matter with a diameter of 10 microns or less (PM10), fine particulate matter with a diameter of 2.5 microns or less (PM2.5), and lead. These pollutants are called criteria pollutants because the USEPA has established National Ambient Air Quality Standards (NAAQS) for the concentrations of these pollutants. CARB has also established standards for the criteria pollutants, known as California Ambient Air Quality Standards (CAAQS), and the State standards are generally more restrictive than the NAAQS. When a region has air

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quality that fails to meet the standards, the USEPA and the CARB designate the region as “nonattainment”, and the regional air quality agency must develop plans to attain the standards. A brief explanation of each criteria pollutant and their health effects is presented below.

Ozone (O₃)

O₃ is a secondary pollutant; it is not directly emitted. O₃ is formed by chemical reactions between volatile organic compounds (VOCs, also referred to as reactive organic gasses [ROGs]) and nitrogen oxides (NO_x), which occur only in the presence of bright sunlight. VOC/ROG emissions are generally unburned hydrocarbons that are a result of motor vehicle travel and other combustion sources. Nitrogen oxides are also a result of the combustion process, most notably due to the operation of motor vehicles. Sunlight and hot weather cause ground-level O₃ to form. (Not to be confused with the “ozone layer” which occurs very high in the atmosphere and shields the planet from some ultraviolet [UV] rays.) As a result, O₃ is known as a summertime air pollutant. Ground-level ozone is the primary constituent of smog. Because ground-level ozone is formed in the atmosphere, high concentrations can occur in areas well away from sources of its constituent pollutants.

People with lung disease, children, older adults, and people who are active are the most sensitive when O₃ levels are unhealthy. Numerous scientific studies have linked ground-level O₃ exposure to a variety of health problems, including the following:

- lung irritation that can cause inflammation much like a sunburn
- wheezing, coughing, pain when taking a deep breath, and breathing difficulties during exercise or outdoor activities
- permanent lung damage to those with repeated exposure to O₃ pollution
- aggravated asthma, reduced lung capacity, and increased susceptibility to respiratory illnesses like pneumonia and bronchitis

Ground-level O₃ can also have detrimental effects on plants and ecosystems. These effects include the following:

- interfering with the ability of sensitive plants to produce and store food, making them more susceptible to certain diseases, insects, other pollutants, competition, and harsh weather
- damaging the leaves of trees and other plants, negatively impacting the appearance of urban vegetation, national parks, and recreation areas
- reducing crop yields and forest growth, potentially impacting species diversity in ecosystems

Currently, the SoCAB is designated as a “nonattainment area” for the State and federal O₃ standards.

Particulate Matter (PM₁₀ and PM_{2.5})

Particulate matter includes both aerosols and solid particles of a wide range of size and composition. Of particular concern are inhalable particulate matter, which are those particles equal to or smaller than 10 microns in size (PM₁₀) and fine particulate matter, which are particles smaller than or equal to 2.5 microns (PM_{2.5}). The size of the particulate matter refers to the aerodynamic diameter of the particulate. Smaller particulates are of greater concern because they can penetrate deeper into the lungs than large particles. PM_{2.5} is directly emitted in combustion exhaust and fugitive dust and is formed from atmospheric reactions between various gaseous pollutants, including NO_x, SO_x, and VOCs. PM₁₀ is

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directly emitted as a result of mechanical processes that crush or grind larger particles or from the re-suspension of dusts most typically through construction activities and vehicular travels. PM10 and PM2.5 can remain suspended in the atmosphere for days and/or weeks and can be transported long distances.

The principal health effects of airborne particulate matter are on the respiratory and cardiac systems. According to the USEPA, some people are more sensitive than others to breathing fine particles (USEPA 2017). People with influenza and chronic respiratory and cardiovascular diseases and the elderly may suffer worsening illness and premature death due to breathing these fine particles. People with bronchitis can expect aggravated symptoms from breathing in fine particles. Children may experience decline in lung function due to breathing in PM10 and PM2.5. Other groups considered sensitive are smokers and people who cannot breathe well through their noses. Exercising athletes are also considered sensitive, because many breathe through their mouths. However, all people exposed to elevated levels of particulate matter may experience temporary health effects (USEPA 2016a).

Short-term exposure to high PM2.5 levels is associated with premature mortality and increased hospital admissions and emergency room visits. Long-term exposure to high PM2.5 levels is associated with premature mortality and development of chronic respiratory disease. Short-term exposure to high PM10 levels is associated with hospital admissions for cardiopulmonary diseases, increased respiratory symptoms, and possible premature mortality.

There are national and State 24-hour PM10 standards, but there is no annual long-term standard. With respect to long-term PM10 health effects, the USEPA concluded in a 2006 standards review that analysis of air quality data showed that the 24-hour PM10 standard generally resulted in annual average PM10 levels at or below the annual standard of 50 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) and that available evidence did not suggest an association between long-term exposure to PM10 at 2006 ambient levels and health problems. Based on this conclusion, the national PM10 annual standard was revoked (USEPA 2006). However, California maintains an annual PM10 standard.

Currently, PM10 levels in the SoCAB are designated as “nonattainment areas” for State standards and “attainment/maintenance areas” for federal standards. PM2.5 levels in the SoCAB are designated as “nonattainment areas” for State and federal standards.

Carbon Monoxide (CO)

CO is a colorless and odorless gas which, in the urban environment, is associated primarily with the incomplete combustion of fossil fuels in motor vehicles. CO combines with hemoglobin in the bloodstream and reduces the amount of oxygen that can be circulated through the body. High CO concentrations can lead to headaches, aggravation of cardiovascular disease, and impairment of central nervous system functions. Carbon monoxide concentrations can vary greatly over comparatively short distances. Relatively high concentrations are typically found near crowded intersections; along heavily used roadways carrying slow-moving traffic; and at or near ground level. Even under the most severe meteorological and traffic conditions, high CO concentrations are limited to locations within a relatively short distance (i.e., up to 600 feet or 185 meters) of heavily traveled roadways. Overall, CO emissions are decreasing as a result of the Federal Motor Vehicle Control Program, which has mandated increasingly lower emission levels for vehicles manufactured since 1973.

Currently, CO levels in the SoCAB are in attainment for State and federal one-hour and eight-hour standards.

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Nitrogen Dioxide (NO₂)

Nitrogen gas, normally relatively inert (unreactive), comprises about 80 percent of the air. At high temperatures (i.e., in the combustion process) and under certain other conditions, it can combine with oxygen to form several different gaseous compounds collectively called nitrogen oxides (NO_x). Nitrogen monoxide (NO) is converted to NO₂, a red-brown pungent gas, in the atmosphere. Motor vehicle emissions are the main source of NO_x in urban areas.

NO₂ is toxic to various animals and to humans. Its toxicity relates to its ability to form nitric acid with water in the eye, lung, mucus membrane, and skin. In animals, long-term exposure to NO_x increases susceptibility to respiratory infections, lowering their resistance to such diseases as pneumonia and influenza. Laboratory studies show susceptible humans, such as asthmatics, exposed to high concentrations of NO₂ can suffer lung irritation and, potentially, lung damage. Epidemiological studies have also shown associations between NO₂ concentrations and daily mortality from respiratory and cardiovascular causes and with hospital admissions for respiratory conditions.

NO_x is primarily a combination of NO and NO₂. While the NAAQS and CAAQS only address NO₂, the total group of nitrogen oxides is of concern. NO and NO₂ are both precursors in the formation of O₃ and PM_{2.5}. Because of this and the fact that NO emissions largely convert to NO₂, NO_x emissions are typically examined when assessing potential air quality impacts. Currently, NO₂ levels in the SoCAB are in attainment for State and federal standards.

Sulfur Dioxide (SO₂)

Sulfur oxides (SO_x) constitute a class of compounds of which SO₂ and sulfur trioxide (SO₃) are included. Ninety-five percent of pollution-related SO_x emissions are in the form of SO₂. SO_x emissions are typically examined when assessing potential air quality impacts of SO₂. Combustion of fossil fuels for generation of electric power is the primary contributor of SO_x emissions. Industrial processes, such as nonferrous metal smelting, also contribute to SO_x emissions. SO_x is also formed during combustion of motor fuels. However, most of the sulfur has been removed from fuels, greatly reducing SO_x emissions from vehicles.

SO₂ combines easily with water vapor, forming aerosols of sulfurous acid (H₂SO₃), a colorless, mildly corrosive liquid. This liquid may then combine with oxygen in the air, forming the even more irritating and corrosive sulfuric acid (H₂SO₄). Peak levels of SO₂ in the air can cause temporary breathing difficulty for people with asthma who are active outdoors. Longer-term exposures to high levels of SO₂ gas and particles cause respiratory illness and aggravate existing heart disease. SO₂ reacts with other chemicals in the air to form tiny sulfate particles which are measured as PM_{2.5}. SO₂ is monitored at several sites in the SoCAB, and the SoCAB is in attainment for the State and federal SO₂ standards.

Lead

Lead is a stable compound which persists and accumulates both in the environment and in animals. In humans, it affects the blood-forming (or hematopoietic), the nervous, and the renal systems. In addition, lead has been shown to affect the normal functions of the reproductive, endocrine, hepatic, cardiovascular, immunological, and gastrointestinal systems, although there is significant individual variability in response to lead exposure. Since 1975, lead emissions have been in decline due in part to the introduction of catalyst-equipped vehicles and the decline in production of leaded gasoline. In general, an analysis of lead is limited to projects that emit significant quantities of the pollutant (e.g., lead smelters, battery manufacturers, and battery recyclers) and are not undertaken for transportation, residential, or commercial development projects. The SoCAB is in attainment for the State lead standard. The Los

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Angeles County portion of the SoCAB is classified nonattainment for the federal lead standard; the remainder of the SoCAB is in attainment of the State and federal standards for lead.

Visibility Reducing Particles

Visibility reducing particles consist of suspended particulate matter, which is a complex mixture of tiny particles that consist of dry solid fragments, solid cores with liquid coatings, and small droplets of liquid. These particles vary greatly in shape, size, and chemical composition and can be made up of many different materials such as metals, soot, soil, dust, and salt. The State standard is intended to limit the frequency and severity of visibility impairment due to regional haze. The SoCAB is “unclassified” for this pollutant. There are no federal standards for visibility reducing particulates.

Sulfates (SO₄)

Sulfates (SO₄) are the fully oxidized ionic form of sulfur. SO₄ occurs in combination with metal and/or hydrogen ions. In California, emissions of sulfur compounds occur primarily from the combustion of petroleum-derived fuels (e.g., gasoline and diesel fuel) that contain sulfur. This sulfur is oxidized to SO₂ during the combustion process and subsequently converted to sulfate compounds in the atmosphere. The conversion of SO₂ to SO₄ takes place comparatively rapidly and completely in California urban areas due to regional meteorological features.

The CARB’s SO₄ standard is designed to prevent aggravation of respiratory symptoms. Effects of SO₄ exposure at levels above the standard include a decrease in respiratory function; aggravation of asthmatic symptoms; and an increased risk of cardiopulmonary disease. SO₄ is particularly effective in degrading visibility and, due to fact that it is usually acidic, can harm ecosystems and damage materials and property. The SoCAB is in attainment for the State SO₄ standard.

Hydrogen Sulfide (H₂S)

H₂S is a colorless gas with the odor of rotten eggs. It is formed during bacterial decomposition of sulfur-containing organic substances. It can also be present in sewer gas and some natural gas, and it can be emitted as the result of geothermal energy exploitation. Breathing H₂S at levels above the standard will result in exposure to a very disagreeable odor. In 1984, a CARB committee concluded that the ambient standard for H₂S is adequate to protect public health and to significantly reduce odor annoyance (CARB 2009). The SoCAB is “unclassified” for this pollutant.

Vinyl Chloride (Chloroethene)

Vinyl chloride (chloroethene), a chlorinated hydrocarbon, is a colorless gas with a mild, sweet odor. Most vinyl chloride is used to make polyvinyl chloride (PVC) plastic and vinyl products. Vinyl chloride has been detected near landfills, sewage plants, and hazardous waste sites, due to microbial breakdown of chlorinated solvents.

Short-term exposure to high levels of vinyl chloride in air causes central nervous system effects, such as dizziness, drowsiness, and headaches. Long-term exposure to vinyl chloride through inhalation and oral exposure causes liver damage. Cancer is a major concern from exposure to vinyl chloride via inhalation. Vinyl chloride exposure has been shown to increase the risk of angiosarcoma, a rare form of liver cancer in humans. Vinyl chloride is not routinely measured in the SoCAB. California has a vinyl chloride standard, but there is no corresponding federal standard.

Based on monitored air pollutant concentrations, the USEPA and the CARB designate an area’s status in attaining the NAAQS and the CAAQS, respectively, for selected criteria pollutants. These attainment designations are shown in Table 2, Attainment Status of Criteria Pollutants in the South Coast Air Basin. As identified in Table 2, Los Angeles County is a nonattainment area for O₃, PM₁₀, and PM_{2.5}.

**TABLE 2
 ATTAINMENT STATUS OF CRITERIA POLLUTANTS
 IN THE SOUTH COAST AIR BASIN**

Pollutant	State	Federal
O ₃ (1 hour)	Nonattainment	Nonattainment
O ₃ (8 hour)		Nonattainment
PM ₁₀	Nonattainment	Attainment/Maintenance
PM _{2.5}	Nonattainment	Nonattainment
CO	Attainment	Attainment/Maintenance
NO ₂	Attainment	Attainment/Maintenance
SO ₂	Attainment	Attainment
Lead	Attainment	Attainment/Nonattainment*
All others	Attainment/Unclassified	No standards

O₃: ozone; PM₁₀: respirable particulate matter 10 microns or less in diameter; PM_{2.5}: fine particulate matter 2.5 microns or less in diameter; CO: carbon monoxide; NO₂: nitrogen dioxide; SO₂: sulfur dioxide; SoCAB: South Coast Air Basin.

* Los Angeles County is classified nonattainment for lead; the remainder of the SoCAB is in attainment of the State and federal standards.

Source: SCAQMD 2016

CARB, a part of the California Environmental Protection Agency (CalEPA), is responsible for coordinating and administering both the federal and State air pollution control programs in California. In this capacity, CARB conducts research; sets the CAAQS, as shown in Table 3, California and Federal Ambient Air Quality Standards; compiles emission inventories; develops suggested control measures; oversees local programs; and prepares the State Implementation Plan (SIP). For regions that do not attain the CAAQS, CARB requires the air districts to prepare plans for attaining the standards. These plans are then integrated into the State SIP. CARB establishes emissions standards for (1) motor vehicles sold in California, (2) consumer products (e.g., hair spray, aerosol paints, barbecue lighter fluid), and (3) various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions.

O₃ is a secondary pollutant and is created when nitrogen oxides (NO_x) and volatile organic compounds (VOCs) react in the presence of sunlight. The predominant source of air emissions generated by Project development would be from vehicle emissions. Motor vehicles primarily emit CO, NO_x, and VOCs. The NAAQS and CAAQS are designed to protect the health and welfare of the populace within a reasonable margin of safety. The NAAQS and CAAQS for O₃, CO, NO₂, SO₂, PM₁₀, PM_{2.5}, and lead are shown in Table 3.

**TABLE 3
 CALIFORNIA AND FEDERAL AMBIENT AIR QUALITY STANDARDS**

Pollutant	Averaging Time	California Standards	Federal Standards	
			Primary ^a	Secondary ^b
O ₃	1 Hour	0.09 ppm (180 µg/m ³)	–	–
	8 Hour	0.070 ppm (137 µg/m ³)	0.070 ppm (137 µg/m ³)	Same as Primary
PM ₁₀	24 Hour	50 µg/m ³	150 µg/m ³	Same as Primary
	AAM	20 µg/m ³	–	Same as Primary
PM _{2.5}	24 Hour	–	35 µg/m ³	Same as Primary
	AAM	12 µg/m ³	12.0 µg/m ³	15.0 µg/m ³
CO	1 Hour	20 ppm (23 mg/m ³)	35 ppm (40 mg/m ³)	–
	8 Hour	9.0 ppm (10 mg/m ³)	9 ppm (10 mg/m ³)	–
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m ³)	–	–
NO ₂	AAM	0.030 ppm (57 µg/m ³)	0.053 ppm (100 µg/m ³)	Same as Primary
	1 Hour	0.18 ppm (339 µg/m ³)	0.100 ppm (188 µg/m ³)	–
SO ₂	24 Hour	0.04 ppm (105 µg/m ³)	–	–
	3 Hour	–	–	0.5 ppm (1,300 µg/m ³)
	1 Hour	0.25 ppm (655 µg/m ³)	0.075 ppm (196 µg/m ³)	–
Lead	30-day Avg.	1.5 µg/m ³	–	–
	Calendar Quarter	–	1.5 µg/m ³	Same as Primary
	Rolling 3-month Avg.	–	0.15 µg/m ³	
Visibility Reducing Particles	8 Hour	Extinction coefficient of 0.23 per km – visibility ≥ 10 miles (0.07 per km – ≥30 miles for Lake Tahoe)	No Federal Standards	
Sulfates	24 Hour	25 µg/m ³		
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m ³)		
Vinyl Chloride	24 Hour	0.01 ppm (26 µg/m ³)		

O₃: ozone; ppm: parts per million; µg/m³: micrograms per cubic meter; PM₁₀: respirable particulate matter 10 microns or less in diameter; AAM: Annual Arithmetic Mean; –: No Standard; PM_{2.5}: fine particulate matter 2.5 microns or less in diameter; CO: carbon monoxide; mg/m³: milligrams per cubic meter; NO₂: nitrogen dioxide; SO₂: sulfur dioxide; km: kilometer.

^a *National Primary Standards*: The levels of air quality necessary, within an adequate margin of safety, to protect the public health.

^b *National Secondary Standards*: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

Note: More detailed information in the data presented in this table can be found at the CARB website (www.arb.ca.gov).

Source: CARB 2016.

The SCAQMD was established in 1977 by merging the individual air pollution control districts of the four counties within the SoCAB: Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. The SCAQMD and the Southern California Association of Governments (SCAG), in coordination with local governments and the private sector, developed the Air Quality

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Management Plan (AQMP) for the SoCAB to satisfy these requirements. The AQMP is the most important air management document for the SoCAB because it provides the blueprint for meeting State and federal ambient air quality standards.

On November 28, 2007, CARB submitted a State Implementation Plan (SIP) revision to the USEPA for O₃, PM_{2.5} (1997 Standard), CO, and NO₂ in the SoCAB. This revision is identified as the “2007 South Coast SIP”. The 2007 South Coast SIP demonstrates attainment of the federal PM_{2.5} standard in the SoCAB by 2014 and attainment of the federal 8-hour O₃ standard by 2023. This SIP also includes a request to reclassify the O₃ attainment designation from “severe” to “extreme”. The USEPA approved the redesignation effective June 4, 2010. The “extreme” designation requires the attainment of the 8-hour O₃ standard in the SoCAB by June 2024. CARB approved PM_{2.5} SIP revisions in April 2011 and the O₃ SIP revisions in July 2011. The USEPA approved the PM_{2.5} SIP on September 25, 2013, and has approved 47 of the 62 1997 8-hour O₃ SIP requirements. On November 30, 2014, the USEPA proposed a finding that the SoCAB has attained the 1997 PM_{2.5} standards (USEPA 2014). The comment period closed on January 22, 2015; no subsequent action has been taken.

On September 30, 2015, the USEPA proposed to approve elements of the South Coast 2012 PM_{2.5} Plan and 2015 Supplement, which addresses Clean Air Act requirements for the 2006 PM_{2.5} NAAQS, and proposed to reclassify the area as a ‘serious’ nonattainment area for the 2006 PM_{2.5} standard. The reclassification is based on the determination that the area cannot practicably attain the 2006 PM_{2.5} NAAQS by the moderate area attainment date (December 31, 2015). On December 22, 2015, the USEPA reclassified the South Coast area as a “Serious” nonattainment area for the 2006 PM_{2.5} standard. The final reclassification requires the State to submit a “serious area” plan that provides for attainment of the 2006 PM_{2.5} NAAQS as expeditiously as practicable as and no later than December 31, 2019 (USEPA 2016b).

On March 3, 2017, the SCAQMD adopted the 2016 AQMP, which is a regional and multi-agency effort (SCAQMD, CARB, Southern California Association of Governments [SCAG], and USEPA). The 2016 AQMP incorporates the latest scientific and technical information and planning assumptions, including the 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS); updated emission inventory methodologies for various source categories; and SCAG’s latest growth forecasts. The main purpose of an AQMP is to bring an area into compliance with the requirements of federal and State air quality standards. For a project to be consistent with the AQMP, the pollutants emitted from the project should not (1) exceed the SCAQMD CEQA air quality significance thresholds or (2) conflict with or exceed the assumptions in the AQMP.

Sensitive Air Quality Receptors

Sensitive receptors include, but are not limited to, children, the elderly, persons with preexisting respiratory or cardiovascular illness, and athletes and others who engage in frequent exercise. The Project site is located near residential neighborhoods. The nearest sensitive receptors include: existing persons at the hospital facilities, residences west of South Sunset Avenue and residences adjacent to the Project’s northwestern boundary, park uses adjacent to the Project’s western boundary, and Edgewood Middle and High School, south of West Merced Avenue.

Air Quality Impact Analysis

Thresholds of Significance

The SCAQMD’s Air Quality Analysis Handbook (CEQA Handbook) provides significance thresholds for both construction and operation of projects within the SCAQMD’s jurisdictional boundaries (SCAQMD

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2017a). The SCAQMD recommends that projects be evaluated in terms of the quantitative thresholds established to assess both the regional and localized impacts of project-related air pollutant emissions. The City of West Covina uses the current SCAQMD thresholds to determine whether a proposed project would have a significant impact. These SCAQMD thresholds are identified in Table 4, South Coast Air Quality Management District Air Quality Significance Thresholds. The following questions correspond to the questions in the Air Quality section of the Initial Study Checklist in Appendix G of the State CEQA Guidelines.

**TABLE 4
 SOUTH COAST AIR QUALITY MANAGEMENT
 DISTRICT AIR QUALITY SIGNIFICANCE THRESHOLDS**

Mass Daily Thresholds (lbs/day)		
Pollutant	Construction	Operation
VOC	75	55
NOx	100	55
CO	550	550
PM10	150	150
PM2.5	55	55
SOx	150	150
Lead	3	3

lbs/day: pounds per day; VOC: volatile organic compound; NOx: nitrogen oxides; CO: carbon monoxide; PM10: respirable particulate matter 10 microns or less in diameter; PM2.5: fine particulate matter 2.5 microns or less in diameter; SOx: sulfur oxides.
 Source: SCAQMD 2015

Question AQ-1 Would the Project conflict with or obstruct implementation of the applicable air quality plan?

Less than Significant Impact. The SCAQMD develops rules and regulations, establishes permitting requirements for stationary sources, inspects emissions sources, and enforces such measures through educational programs or fines, when necessary. It is directly responsible for reducing emissions from stationary (area and point), mobile, and indirect sources and has prepared an Air Quality Management Plan (AQMP) that establishes a program of rules and regulations directed at attaining the NAAQS and CAAQS.

As stated above, the SCAQMD adopted the 2016 AQMP on March 3, 2017 (SCAQMD 2017b). The 2016 AQMP incorporates the latest scientific and technical information and planning assumptions, including the 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS), updated emission inventory methodologies for various source categories, and SCAG’s latest growth forecasts.

The main purpose of an AQMP is to bring an area into compliance with the requirements of federal and State ambient air quality standards. For a project to be consistent with the AQMP, the pollutants emitted from the project should not (1) exceed the SCAQMD CEQA air quality significance thresholds or (2) conflict with or exceed the assumptions in the AQMP.

Construction and operations phase regional emissions are assumed to occur throughout the geographic region covered by the AQMP. As described in response to Question AQ-2, both the construction and

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operational phase emissions for this Project are below the SCAQMD's regional emissions thresholds with the implementation of MMs AQ-1, AQ-2, and AQ-3. As such, the air pollutant emissions generated by the Project are consistent with the first criterion of not exceeding the SCAQMD CEQA air quality significance thresholds.

For the second criterion, the Project requires a General Plan Amendment to change the "Parks and Recreation" designation on former Sunset Fields to "Commercial", consistent with the Specific Plan. A zone change from "MF-20 – Residential 20 du/ac" to "Specific Plan" on the City's zoning map would also be included as part of the Project. The area that would result in changes to the zoning classification would be used for parking which does not generate substantial vehicular and energy related emissions as compared to multifamily residential uses. The proposed Project as a whole would not involve changing zoning classifications and is planned to provide and meet existing and future medical services and facilities needs for residents of San Gabriel Valley. Provision of these services locally would reduce the need for residents to travel further to meet their medical needs. The reduction in travel length for vehicles would likewise have benefits for air quality emissions. Therefore, this impact would be less than significant.

Question AQ-2 Would the Project result in a violation of any air quality standard or contribute substantially to an existing or projected air quality violation?

Less than Significant Impact with Mitigation. The proposed Project would generate air pollutant emissions from (1) demolition of on-site asphalt pavement and buildings; (2) on-site grading activities; (3) construction of hospital uses, medical office buildings, and parking structures; (4) the paving of surface parking lots; (5) the emissions generated from emergency generators; and (6) new vehicle trips coming to and from the Project site. As stated previously, Project construction would be staged in five phases: Immediate Improvements (2019), Phase 1A (2020-2022), Phase 1B (2020-2022), Phase 2 (2022-2026), and Long Range Improvements (2028+).

A project may have a significant impact where project-related emissions would exceed federal, State, or regional standards or thresholds, or where project-related emissions would substantially contribute to an existing or projected air quality violation. The SCAQMD has developed construction and operations thresholds to determine whether projects would potentially result in contributing toward a violation of ambient air quality standards.

A project with daily emission rates below the SCAQMD's established air quality significance thresholds (shown in Table 4) would have a less than significant effect on regional air quality. Project emissions were estimated using the California Emissions Estimator Model (CalEEMod) version 2016.3.2 computer program (CAPCOA 2017). CalEEMod is designed to model construction and operational emissions for land development projects and allows for the input of project- and county-specific information. For air quality modeling purposes, construction of the Project was modeled to begin in 2019 and end in 2029. The CalEEMod input for construction emissions was based on the Project's construction assumptions and default assumptions derived from CalEEMod. The input for operational emissions was based on the vehicle trip generation rates provided in the traffic impact analysis and the proposed building area. Additional input details are included in Attachment A.

Construction impacts would occur within the Project site boundaries. Construction staging would be located on the Project site. The input for operational emissions was based on the vehicle trip generation rate provided in the traffic impact analysis and the building area. Additional input details are included in Attachment A.

Construction Emissions

Air pollutant emissions would occur from construction equipment exhaust; fugitive dust from demolition and site grading; exhaust and particulate emissions from trucks hauling demolition and construction debris, soil, and building materials to and from the Project site and from vehicles driven to and from the Project site by construction workers; and VOCs from painting and asphalt paving operations. The proposed Project would comply with applicable SCAQMD rules and regulations, including Rule 403 for fugitive dust control and Rule 1113 for architectural coatings. Rule 403 measures include regular watering of active grading areas and unpaved roads, limiting vehicle speeds on unpaved surfaces, stabilizing stockpiled earth, and curtailing grading operations during high wind conditions (SCAQMD 1976). Watering of active grading areas is included in the CalEEMod emissions analysis and results in reduced PM10 and PM2.5 emissions. It should be noted that some Project requirements and features, such as watering grading areas, although required Project elements, are shown in the CalEEMod format as mitigation measures. SCAQMD Rule 1113 limits the VOC content of architectural coatings (SCAQMD 1977). The emission reductions associated with compliance with this rule have been included in the emissions calculations.

Regional Emissions Thresholds – Maximum Daily Regional Emissions

Table 5, Estimated Unmitigated Maximum Daily Regional Construction Emissions, presents the estimated maximum daily emissions during construction of the proposed Project and compares the estimated emissions with the SCAQMD’s daily regional emission thresholds. As stated above, Project construction would occur in five phases: Immediate Improvements (2019), Phase 1A (2020-2022), Phase 1B (2020-2022), Phase 2 (2022-2026), and Long Range Improvements (2028+). For the purposes of this analysis, the Long Range Improvements phase was modeled to take two years, from 2028 through 2029.

**TABLE 5
 ESTIMATED UNMITIGATED MAXIMUM DAILY REGIONAL
 CONSTRUCTION EMISSIONS**

Year	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM10	PM2.5
2019	4	46	23	<1	8	5
2020	13	127	67	<1	25	15
2021	6	53	53	<1	7	3
2022	39	95	106	<1	15	8
2023	3	21	24	<1	4	2
2024	2	20	24	<1	4	2
2025	2	19	23	<1	4	2
2026	16	19	23	<1	4	2
2028	3	25	21	<1	8	5
2029	106	17	21	<1	3	1
Maximum	106	127	106	<1	25	15
SCAQMD Thresholds (Table 4)	75	100	550	150	150	55
Exceeds SCAQMD Thresholds?	Yes	Yes	No	No	No	No

lbs/day: pounds per day; VOC: volatile organic compound; NO_x: nitrogen oxides; CO: carbon monoxide; SO_x: sulfur oxides; PM10: respirable particulate matter 10 microns or less in diameter; PM2.5: fine particulate matter 2.5 microns or less in diameter; SCAQMD: South Coast Air Quality Management District.
 Source: SCAQMD 2015 (thresholds); see Attachment A for CalEEMod model outputs.

As shown in Table 5, Project construction mass daily emissions would be less than the SCAQMD’s thresholds for all criteria air pollutants except for VOC and NOx emissions. VOC emissions during the Long Range Improvements Project would exceed thresholds in 2029; and, therefore, implementation of mitigation measure (MM) AQ-1 is required to reduce impacts to less than significant. MM AQ-1 requires the use of paints that have a volatile organic compound (VOC) content of 10 grams/Liter (g/L) or less for all architectural coating activities during the Long Range Improvements Phase. To reduce NOx without reducing the quantity or operating hours of construction equipment, which would extend the duration of the construction activities, equipment with newer, low-emission engines should be used. MM AQ-2 requires the use of construction equipment with Tier 3 diesel engines. Mitigated Project emissions generated with the use of Tier 3 Final-compliant construction equipment and paints with a VOC content of 10 g/L or less during the Long Range Improvements Phase are shown in Table 6, Estimated Mitigated Maximum Daily Regional Construction Emissions. As shown in Table 6, all Project-related emissions would be below the regional significance thresholds with the implementation of MM AQ-1 and MM AQ-2. As such, regional impacts associated with Project-related construction emissions would be less than significant with mitigation.

**TABLE 6
 ESTIMATED MITIGATED MAXIMUM DAILY
 REGIONAL CONSTRUCTION EMISSIONS**

Year	Emissions (lbs/day)					
	VOC	NOx	CO	SOx	PM10	PM2.5
2019	4	26	26	<1	8	5
2020	4	60	75	<1	25	15
2021	4	46	56	<1	7	3
2022	38	91	117	<1	15	8
2023	2	21	26	<1	4	2
2024	2	21	26	<1	4	2
2025	2	20	25	<1	4	2
2026	16	20	25	<1	4	2
2028	1	19	25	<1	8	5
2029	11	19	23	<1	3	1
Maximum	38	91	117	<1	25	15
SCAQMD Thresholds (Table 4)	75	100	550	150	150	55
Exceeds SCAQMD Thresholds?	No	No	No	No	No	No

lbs/day: pounds per day; VOC: volatile organic compound; NOx: nitrogen oxides; CO: carbon monoxide; SOx: sulfur oxides; PM10: respirable particulate matter 10 microns or less in diameter; PM2.5: fine particulate matter 2.5 microns or less in diameter; SCAQMD: South Coast Air Quality Management District.
 Source: SCAQMD 2015 (thresholds); see Attachment A for CalEEMod outputs.

Construction-Phase Localized Significance Thresholds

In addition to the mass daily emissions thresholds established by the SCAQMD, short-term local impacts to nearby sensitive receptors from on-site emissions of NO₂, CO, PM10, and PM2.5 are examined based on SCAQMD’s localized significance threshold (LST) methodology. To assess local air quality impacts for development projects without complex dispersion modeling, the SCAQMD developed screening (lookup) tables to assist lead agencies in evaluating impacts.

The LST method is recommended to be limited to projects that are 5.0 acres or less. For the purposes of an LST analysis, the SCAQMD considers receptors where it is possible that an individual could remain for one hour for NO₂ and CO exposure and 24 hours for PM10 and PM2.5 exposure. The emissions limits in the lookup tables are based on the SCAQMD’s Ambient Air Quality Standards (SCAQMD 2016). The closest receptors to the Project site are the persons using the existing hospital facilities. The emissions thresholds are for receptors within 25 meters (82 feet)¹ of the Project site for CO and NO_x due to the short exposure period and at actual distances from each project phase to offsite residential uses for the 24-hour exposure period of PM10 and PM2.5; the thresholds for receptors farther away would be higher, and the Project emissions would be a smaller fraction of the thresholds.

Table 7, Construction-Phase Localized Significance Threshold Emissions, shows the maximum daily on-site emissions for construction activities compared with the SCAQMD LSTs. As shown in Table 7, localized emissions would not exceed the applicable thresholds for NO_x, CO, PM10, and PM2.5. This impact would be less than significant with MMs AQ-1 and AQ-2.

**TABLE 7
 CONSTRUCTION-PHASE
 LOCALIZED SIGNIFICANCE THRESHOLD EMISSIONS**

Project Maximum Daily On-site Emissions per Phase	Emissions (lbs/day)			
	NO _x	CO	PM10	PM2.5
Immediate Development (2019)	19	25	8	5
Localized Significance Threshold	102	852	23	8
Exceeds threshold?	No	No	No	No
Phases 1A, 1B, and 2 (2020-2026)	30	37	8	5
Localized Significance Threshold	183	1,814	48	14
Exceeds threshold?	No	No	No	No
Long Range Improvements (2028+)	19	25	8	5
Localized Significance Threshold	102	852	23	8
Exceeds threshold?	No	No	No	No

lbs/day: pounds per day; NO_x: nitrogen oxides; CO: carbon monoxide; PM10: respirable particulate matter 10 microns or less in diameter; PM2.5: fine particulate matter 2.5 microns or less in diameter.
 Note: Data is for SCAQMD Source Receptor Area 11, South San Gabriel Valley.
 Source: SCAQMD 2009 (thresholds); see Attachment A for CalEEMod model outputs.

Operational Emissions

The ongoing operation of the Project would result in a long-term increase in air quality emissions. This increase would be due to emissions from Project-generated vehicle trips, energy consumption, and through operational emissions from the ongoing use of the Project. The following section provides an analysis of potential long-term air quality impacts to regional and local air quality with the long-term operation of the proposed Project. The potential operations-related air emissions have been analyzed below for the regional and local criteria pollutant emissions and cumulative impacts.

¹ The SCAQMD recommends that, when sensitive receptors are located nearer than 25 meters (82 feet) from the Project site, the minimum 25 meter/82 foot distance threshold should be used.

Operations-Related Criteria Pollutant Analysis

Operational emissions are comprised of area, energy, and mobile source emissions. The principal area source of VOC emissions associated with the Project would result from the use of consumer products; the major area source of CO emissions would be landscaping equipment. Area and energy source emissions are based on CalEEMod assumptions for the specific land uses and size. Mobile source emissions are based on estimated Project-related trip generation forecasts, as contained in the Project traffic impact analysis; the Project would generate 9,587 daily trips for full buildout in 2035 (Psomas 2018). Estimated peak daily operational emissions are shown in Table 8.

**TABLE 8
 PEAK DAILY UNMITIGATED OPERATIONAL EMISSIONS
 FOR FULL BUILDOUT**

Source	Emissions (lbs/day)					
	VOC	NOx	CO	SOx	PM10	PM2.5
Area sources	11	<1	<1	<1	<1	<1
Energy sources	1	6	5	<1	<1	<1
Mobile sources	8	9	94	<1	61	16
Total Operational Emissions*	20	15	99	<1	62	17
SCAQMD Significance Thresholds (Table 4)	55	55	550	150	150	55
Significant Impact?	No	No	No	No	No	No
lbs/day: pounds per day; VOC: volatile organic compounds; NOx: nitrogen oxides; CO: carbon monoxide; SOx: sulfur oxides; PM10: respirable particulate matter 10 microns or less in diameter; PM2.5: fine particulate matter 2.5 microns or less in diameter; SCAQMD: South Coast Air Quality Management District. * Some totals do not add due to rounding. Note: CalEEMod model data sheets are included in Attachment A.						

As shown in Table 8, the Project’s operational emissions would be less than the SCAQMD CEQA significance thresholds for all criteria pollutants. Therefore, the Project’s operational impact on regional emissions would be less than significant, and no additional mitigation is required.

Combined Construction and Operational Emissions during Development

During Project development, the initial phases of the Project would be occupied while construction would continue in future phases. In accordance with recent SCAQMD recommendations, a calculation of combined construction and operational emissions is provided for informational purposes. For the purposes of providing a conservative air quality analysis, mitigated emissions for the most intensive year of Phase 2 Project construction (2023) is combined with the emissions calculated for operations of Phases 1A and 1B of the Project in 2023. Additionally, mitigated emissions for the most intensive phase of construction for the Long-Range Development Phase (the highest emissions in 2028 and/or 2029) is combined with the emissions from operations of Phases 1A, 1B, and 2. These emissions are compared to the SCAQMD’s operational thresholds in Table 9.

**TABLE 9
 ESTIMATED ANNUAL MID-PROJECT COMBINED EMISSIONS
 (LBS/DAY)**

Source	Emissions (lbs/day)					
	VOC	NOx	CO	SOx	PM10	PM2.5
Phase 2 Construction Emissions (2023)	2	21	26	<1	4	2
Phase 1A and 1B Operational Emissions	10	13	86	<1	30	8
Combined Operations and Construction Emissions	12	34	112	<1	34	10
Long Range Construction Emissions (Maximum from 2028/2029 emissions)	11	19	25	0	8	5
Phase 1A, 1B, and 2 Operational Emissions	12	11	70	0	33	9
Combined Operations and Construction Emissions	23	30	95	0	41	14
SCAQMD Operations Significance Thresholds (Table 4)	55	55	550	150	150	55
Exceeds Threshold	No	No	No	No	No	No

lbs/day: pounds per day; VOC: volatile organic compounds; NOx: nitrogen oxides; CO: carbon monoxide; SOx: sulfur oxides; PM10: respirable particulate matter with a diameter of 10 microns or less; PM2.5: fine particulate matter with a diameter of 2.5 microns or less.

Note: Totals may not add due to rounding.

Sources: SCAQMD 2015 (thresholds). Emissions calculations can be found in Attachment A.

As shown in Table 9, combined construction and operations emissions would not exceed the operational emissions thresholds established by the SCAQMD. Therefore, this would be a less than significant impact, with implementation of MM AQ-1 and MM AQ-2.

Operations Phase Localized Significance Thresholds

The SCAQMD has also developed LSTs to assess potential local impacts to nearby sensitive receptors from on-site emissions of NO₂, CO, PM10, and PM2.5 generated during the operations phase. The operations phase LST analysis was assessed at the closest receptors to the Project site, which is the persons using the existing hospital facilities.

Table 10, Operations-Phase Localized Significance Threshold Emissions, shows the maximum daily on-site emissions for operational activities compared with the SCAQMD LSTs with receptors within 25 meters. The Project site is approximately 28.8 acres in area. However, as per the SCAQMD’s recommendation, the thresholds shown are from the lookup tables for a site that is 5.0 acres.

**TABLE 10
 OPERATIONS-PHASE
 LOCALIZED SIGNIFICANCE THRESHOLD EMISSIONS**

Emissions and Thresholds	Emissions (lbs/day)			
	NOx	CO	PM10	PM2.5
Area	<1	<1	<1	<1
Energy	6	5	0.4	0.4
Mobile ¹	<1	5	3.1	0.8
Total	6	10	3.5	1.3
Localized Significance Threshold	183	1,814	4	2
Exceed threshold?	No	No	No	No

lbs/day: pounds per day; NOx: nitrogen oxides; CO: carbon monoxide; PM10: respirable particulate matter 10 microns or less in diameter; PM2.5: fine particulate matter 2.5 microns or less in diameter;
¹ On-site mobile emissions are conservatively assumed to be 5% of the total on- and off-site emissions.
 Note: Data is for SCAQMD Source Receptor Area 11, South San Gabriel Valley.
 Source: SCAQMD 2009 (thresholds); see Attachment A for CalEEMod outputs.

As shown in Table 10, the local emissions from the Project would be less than the thresholds, and no significant impacts would result. No mitigation is required.

Question AQ-3 Would the Project result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?

Less than Significant Impact. As identified in Table 2, Los Angeles County is a nonattainment area for O₃, PM10, and PM2.5. The Project would generate PM10, PM2.5, NO₂, and O₃ precursors (NOx and VOC) during short-term construction and long-term operations.

Construction Activities

Construction activities associated with the proposed Project would result in less than significant construction-related regional and localized air quality impacts with incorporation of MM AQ-1 and MM AQ-2, as quantified above in Tables 6 and 7, respectively.

SCAQMD’s policy with respect to cumulative impacts associated with the above referenced pollutants and their precursors is that impacts that would be directly less than significant would also be cumulatively less than significant (SCAQMD 2003). As discussed under Question AQ-2, short-term construction emissions would be reduced to less than significant levels with mitigation. Therefore, consistent with SCAQMD policy, the cumulative construction impact of criteria pollutants would be less than significant with mitigation.

Operational Activities

As shown in Tables 8 through 10, operational emissions for all analyzed pollutants would be below the SCAQMD CEQA significance thresholds. As shown in Table 10, concurrent construction and operation emissions would be less than the SCAQMD’s operational thresholds. Therefore, the Project would not contribute to a cumulatively considerable increase of a pollutant for which the SoCAB is in

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nonattainment. Emissions of nonattainment pollutants or their precursors would not be cumulatively considerable and would be less than significant; no mitigation would be required.

Question AQ-4 Would the Project result in exposure of sensitive receptors to substantial pollutant concentrations?

Less than Significant Impact. A significant impact may occur when a project would generate pollutant concentrations to a degree that would significantly affect sensitive receptors, which include populations that are more susceptible to the effects of air pollution than the population at large. Exposure of sensitive receptors is addressed for the following situations: CO hotspots; criteria pollutants and toxic air contaminants (TACs, specifically diesel particulate matter [DPM]) from on-site construction; exposure to off-site TAC emissions; and asbestos and lead-based paint during demolition. Operational, long-term TACs may be generated by some industrial land uses, commercial land uses (e.g., gas stations and dry cleaners), and diesel trucks on freeways.

Carbon Monoxide Hotspot

The ambient air quality standard for CO is analyzed when there is a potential for severe traffic congestion at high-volume, signalized intersections. Localized areas where ambient concentrations exceed federal and/or State standards for CO are termed CO “hotspots”. The Bay Area Air Quality Management District (BAAQMD) has established the number of vehicles that are likely to cause a CO hotspot within their CEQA screening criteria (BAAQMD 2017). This screening criteria states that less-than-significant impact to localized CO concentrations occurs if the following screening criteria is met:

1. Project is consistent with an applicable congestion management program established by the county congestion management agency for designated roads or highways, regional transportation plan, and local congestion management agency plans.
2. The project traffic would not increase traffic volumes at affected intersections to more than 44,000 vehicles per hour.
3. The project traffic would not increase traffic volumes at affected intersections to more than 24,000 vehicles per hour where vertical and/or horizontal mixing is substantially limited (e.g., tunnel, parking garage, bridge underpass, natural or urban street canyon, below-grade roadway).

In terms of the first criterion, the Project was found to be consistent with the traffic impact requirements of the City of West Covina with the exception of one intersection (Merced Avenue/Sunset Avenue). This intersection was found to result in an unavoidable significant traffic impact (Psomas 2018). However, the Project would contribute approximately 120 trips to this intersection for the AM and PM peak hour. This quantity of vehicle trips would not result in a substantial increase in CO concentrations, especially since the monitoring station data indicates that CO concentrations are substantially below the State and federal ambient air quality standards. For the second criterion, the project would not increase traffic volumes at affected intersections to more than 44,000 vehicles per hour as detailed in the Project’s traffic study (Psomas 2018). For the third criterion, the Project would not result in increasing traffic volumes to more than 24,000 vehicles per hour for any intersection including those that have constrained dispersion of air pollutants. Because the proposed Project fulfills the abovementioned BAAQMD’s screening criteria, the proposed Project’s vehicle trips would not result in CO concentrations of such magnitude to exceed the State and federal ambient air quality standards. Therefore, the proposed Project would not result in the creation of a CO hot spot, and the impacts would be less than significant.

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Criteria Pollutants from On-Site Construction

Exposure of persons to NO_x, CO, PM₁₀, and PM_{2.5} emissions is discussed in response to Question AQ-2 above. Less than significant impacts would occur with MM AQ-1 and MM AQ-2.

Toxic Air Contaminant Emissions from On-Site Construction

Construction activities would result in short-term, Project-generated emissions of DPM from the exhaust of off-road, heavy-duty diesel equipment used for site preparation (e.g., demolition, excavation, and grading), paving, building construction, and other miscellaneous activities. CARB identified DPM as a TAC in 1998. The dose to which receptors are exposed is the primary factor used to determine health risk. Dose is a function of the concentration of a substance or substances in the environment and the duration of exposure to the substance. Thus, the risks estimated for a maximally exposed individual (MEI) are higher if a fixed exposure occurs over a longer time period. According to the Office of Environmental Health Hazard Assessment, health risk assessments—which determine the exposure of sensitive receptors to TAC emissions—should be based on a 30-year exposure period; however, such assessments should be limited to the period/duration of activities associated with the Project.

Relatively few pieces of off-road, heavy-duty diesel equipment would be in operation, and the total construction period would be relatively short when compared to a 30-year exposure period. Combined with the highly dispersive properties of DPM and additional reductions in particulate emissions from newer construction equipment, as required by USEPA and CARB regulations, construction emissions of TACs would not expose sensitive receptors to substantial emissions of TACs. The impact would be less than significant, and no additional mitigation is required beyond the use of cleaner Tier III off-road equipment required under MM AQ-2.

Toxic Air Contaminant Emissions from On-Site Operations

The proposed Project would produce TACs from trucks and passenger vehicles accessing the site as well as the use of a proposed standby generator. Passenger vehicles associated with the Project are considered to generate levels of TACs that would substantially result in human health risk to sensitive uses proximate to the Project site. Diesel trucks related to deliveries and diesel ambulances used for transport of hospital patients do generate diesel exhaust, which is the primary source of health risk within the SoCAB. However, diesel trucks and ambulance trips generated by the Project constitute a small proportion of vehicle trips. For truck deliveries, the California Air Resources Board prohibits commercial trucks from idling more than 5 minutes. This would limit the amount of truck emissions that would occur at the Project site. The Project would also expand the emergency room department from 27 to 60 beds. The increase in ambulance use from the expansion to 33 additional beds and the transient emissions as patients are transported quickly to the emergency departments would not result in a significant increase in health risk due to the relatively small magnitude of vehicle trips and brevity of onsite emissions exposure. The Project would also entail the development of a standby generator in case of power outages. This generator could be powered by natural gas or diesel. To avoid exposure of diesel exhaust to offsite residences or hospital patients and staff, the use of a natural gas generator would be included as part of MM AQ-3. Natural gas exhaust is not considered to result in significant health risk. As such, the Project would not result in significant human health risk associated with TAC emissions.

Exposure to Off-Site Toxic Air Contaminant Emissions

The CARB *Air Quality and Land Use Handbook: A Community Health Perspective* provides guidance concerning land use compatibility with TAC sources (CARB 2005). While not a law or adopted policy, the handbook offers advisory recommendations for siting sensitive receptors near uses associated with

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TACs (such as freeways and high-traffic roads, commercial distribution centers, rail yards, ports, refineries, dry cleaners, gasoline stations, and industrial facilities) to help keep children and other sensitive populations out of harm's way.

Projects of concern for mobile sources of TACs are typically those located within 500 feet of the following types of facilities that emit significant quantities of DPM: urban roads with more than 100,000 vehicles per day; freeways or roads with a high heavy truck concentration; and/or near rail yards, ports, and/or distribution centers. The Project site is more than 500 feet from any freeway or major urban road. With respect to proximity to emissions from railroad sources, CARB recommends avoiding siting new sensitive land uses within 1,000 feet of a major service and maintenance rail yard (CARB 2005); the Project site is not located within 1,000 feet of this type of facility. CARB recommends not placing sensitive receptors within the same building as a dry cleaner and avoiding siting residences within 300 feet of a large gas station or within 500 feet of dry cleaning operations with two machines using perchloroethylene. The Project does not include residential uses, and no gas stations are located within 300 feet or dry cleaning operations within 500 feet of the proposed uses at the Project site. However, two gas stations and one dry cleaning facility are in the vicinity of the Project boundary. However, the proposed Project components are further than the 300- and 500-foot distance recommendations. As such, no off-site sensitive uses would expose the Project uses to significant levels of TACs. Impacts would be less than significant, and no mitigation is required.

Question AQ-5 Would the Project create objectionable odors affecting a substantial number of people?

No Impact. According to the SCAQMD's *CEQA Air Quality Handbook*, land uses associated with odor complaints typically include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding (SCAQMD 1993). The Project does not include any uses identified by the SCAQMD as being associated with odors and, therefore, would not produce objectionable odors. As such, the Project would have no significant impact related to objectionable odors. No mitigation is required.

Mitigation Measures

MM AQ-1 During the construction phase of the Long Range Improvements Phase of the Project, the owner/developer shall use paints that have a volatile organic compound (VOC) content of 10 grams/Liter (g/L) or less for all architectural coating activities.

MM AQ-2 During the construction phase of this Project, all off-road diesel-powered construction equipment that would be used that is greater than or equal to 50 horsepower shall be required to meet or exceed U.S. Environmental Protection Agency (USEPA) Tier 3 emission standards.

MM AQ-3 The proposed standby emergency generator shall be powered by natural gas.

GREENHOUSE GAS EMISSIONS ANALYSIS

Relevant elements of the proposed Project related to the analysis of potential greenhouse gas (GHG) emissions impacts include (1) demolition of on-site buildings, which would require export of demolition and construction debris; (2) on-site grading activities; (3) construction of hospital uses, medical office buildings, and parking structures; (4) the vehicle trips generated by the proposed Project; and (5) energy use by Project occupants.

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California has adopted several initiatives to reduce the State's contribution to global climate change. This information is incorporated by reference into this report, and information that is relevant to the analysis of GHG emissions resulting from the proposed Project is summarized in this section.

Existing Greenhouse Gas Emissions Conditions

GHGs are global pollutants and are therefore unlike criteria air pollutants such as O₃, particulate matter (PM₁₀ and PM_{2.5}), and TACs, which are pollutants of regional and local concern. While pollutants with localized air quality effects have relatively short atmospheric lifetimes (generally on the order of a few days), GHGs have relatively long atmospheric lifetimes, ranging from one year to several thousand years. Long atmospheric lifetimes allow for GHGs to disperse around the globe. Therefore, GHG effects are global, as opposed to the local and/or regional air quality effects of criteria air pollutant and TAC emissions.

Regulatory Background

Significant changes in global climate patterns have been associated with global warming, which is an average increase in the temperature of the atmosphere near the Earth's surface; this is attributed to an accumulation of GHG emissions in the atmosphere. GHGs trap heat in the atmosphere which, in turn, increases the Earth's surface temperature. Some GHGs occur naturally and are emitted to the atmosphere through natural processes, while others are created and emitted solely through human activities.

On June 1, 2005, Governor Arnold Schwarzenegger signed Executive Order S-3-05, which calls for a reduction in GHG emissions to the year 2000 level by 2010, to year 1990 levels by 2020, and to 80 percent below 1990 levels by 2050.

The principal overall State plan and policy adopted for the purpose of reducing GHG emissions is Assembly Bill (AB) 32 (California Global Warming Solutions Act of 2006). AB 32 establishes regulatory, reporting, and market mechanisms to achieve quantifiable reductions in GHG emissions and establishes a cap on statewide GHG emissions. AB 32 recognizes that California is the source of substantial amounts of GHG emissions. The statute states the following:

Global warming poses a serious threat to the economic well-being, public health, natural resources, and the environment of California. The potential adverse impacts of global warming include the exacerbation of air quality problems, a reduction in the quality and supply of water to the state from the Sierra snowpack, a rise in sea levels resulting in the displacement of thousands of coastal businesses and residences, damage to marine ecosystems and the natural environment, and an increase in the incidences of infectious diseases, asthma, and other human health-related problems.

In order to avert these consequences, AB 32 establishes a State goal of reducing GHG emissions to 1990 levels by the year 2020, codifying the Executive Order S-3-05 goal.

CARB approved a *Climate Change Scoping Plan* as required by AB 32 in 2008; this plan is required to be updated every five years. The *Climate Change Scoping Plan* proposes a "comprehensive set of actions designed to reduce overall carbon GHG emissions in California, improve our environment, reduce our dependence on oil, diversify our energy sources, save energy, create new jobs, and enhance public health" (CARB 2008). The *Climate Change Scoping Plan* has a range of GHG-reduction actions which include direct regulations, alternative compliance mechanisms, monetary and non-monetary incentives, voluntary actions, market-based mechanisms such as a cap-and-trade system, and an AB 32 implementation regulation to fund the program. On February 10, 2014, CARB released the Draft Proposed First Update to

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the *Climate Change Scoping Plan* (CARB 2014). The board approved the final *First Update to the Climate Change Scoping Plan* on May 22, 2014. The first update describes California's progress toward AB 32 goals, stating that "California is on track to meet the near-term 2020 greenhouse gas limit and is well positioned to maintain and continue reductions beyond 2020 as required by AB 32" (CARB 2014). The latest update occurred in January 2017 and incorporates the 40-percent reduction to 1990 emissions levels by 2030.

California Executive Order B-30-15 (April 29, 2015) set an "interim" statewide emission target to reduce GHG emissions to 40 percent below 1990 levels by 2030, and directed State agencies with jurisdiction over GHG emissions to implement measures pursuant to statutory authority to achieve this 2030 target and the 2050 target of 80 percent below 1990 levels.

On September 8, 2016, the Governor signed Senate Bill (SB) 32 to codify the GHG reduction goals of EO B-30-15, requiring the State to reduce GHG emissions by 40 percent below 1990 levels by 2030 (Health and Safety Code Section 38566). This goal is expected to keep the State on track to meeting the goal set by EO S-3-05 of reducing GHG emissions by 80 percent below 1990 levels by 2050 (California Legislative Information 2017a). SB 32's findings state that CARB will "achieve the state's more stringent greenhouse gas emission reductions in a manner that benefits the state's most disadvantaged communities and is transparent and accountable to the public and the Legislature."

AB 197 was signed at the same time and will make sure that the SB 32 goals are met by requiring CARB to provide annual reports of GHGs, criteria pollutants, and TACs by facility, City and subcounty level, and sector for stationary sources and at the County level for mobile sources. It also requires the CARB to prioritize specified emission reduction rules and regulations and to identify specified information for emission reduction measures (e.g., alternative compliance mechanism, market-based compliance mechanism, and potential monetary and nonmonetary incentive) when updating the Scoping Plan (California Legislative Information 2017b).

On April 29, 2015, Governor Brown signed Executive Order (EO) B-30-15, which orders "A new interim statewide greenhouse gas emission reduction target to reduce greenhouse gas emissions to 40 percent below 1990 levels by 2030 is established in order to ensure California meets its target of reducing greenhouse gas emissions to 80 percent below 1990 levels by 2050" (COOG 2015). Five key goals for reducing GHG emissions through 2030 include (1) increasing renewable electricity to 50 percent; (2) doubling the energy efficiency savings achieved in existing buildings and making heating fuels cleaner; (3) reducing petroleum use in cars and trucks by up to 50 percent; (4) reducing emissions of short-lived climate pollutants; and (5) managing farms, rangelands, forests and wetlands to increasingly store carbon. EO B-30-15 also directs CARB to update the *Climate Change Scoping Plan* to express the 2030 target in terms of million metric tons of carbon dioxide equivalent.

SB 350, signed October 7, 2015, is the Clean Energy and Pollution Reduction Act of 2015. SB 350 is the implementation of some of the goals of EO B-30-15. The objectives of SB 350 are as follows (California Legislative Information 2015):

1. To increase from 33 percent to 50 percent, the procurement of our electricity from renewable sources
2. To double the energy efficiency savings in electricity and natural gas final end uses of retail customers through energy efficiency and conservation

The text of SB 350 sets a December 31, 2030, target for 50 percent of electricity to be generated from renewable sources.

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The Sustainable Communities and Climate Protection Act of 2008, SB 375, established a process to coordinate land use planning, regional transportation plans, and funding priorities in order to help California meet the GHG reduction goals established in AB 32. SB 375 required SCAG to incorporate a “sustainable communities strategy” (SCS) into its regional transportation plans (RTPs) that will achieve GHG emission reduction targets through several measures, including land use decisions. SCAG’s SCS is included in the SCAG 2016–2040 RTP/SCS (SCAG 2016). The goals and policies of the RTP/SCS that reduce vehicle miles traveled (VMT) focus on transportation and land use planning that include building infill projects; locating residents closer to where they work and play; and designing communities to have access to high quality transit service.

The City of West Covina does not currently have a climate action plan; however, the City has published an Energy Action Plan (EAP). Therefore, the Project is evaluated against the City’s EAP. The purpose of the EAP is to “guide the City of West Covina toward attainable conservation goals that may also significantly reduce the impact of greenhouse gas emissions within the community” (City of West Covina 2011). The goals of the City’s EAP include: educating the public about energy-saving techniques and programs; promoting and creating energy conservation opportunities and programs; installing environmentally benign, renewable, and reliable energy facilities; participating in alliances with local businesses and with other agencies; pursuing and performing local and higher funding opportunities; and coordinating other City policies, programs, and ordinances to become compatible with Sustainable Community goals. More specifically, the City has identified the following policy goals to reduce energy consumption and promote energy efficiency throughout the City:

- a. Surpass the energy efficiency standards of the California Building Code for proposed and existing municipal buildings and facilities.
- b. Provide on-line (Internet accessible) guidance and assistance to Homeowners and Builders to make compliance with new Title 24 energy requirements as effective and efficient as possible.
- c. Coordinate City Efficiency goals and programs with the efficiency projects and incentive programs of higher jurisdictional agencies. Expand the City’s Residential Solar Power permit-waiver program to include other alternative energy applications. Consider fee adjustments or rebates to local businesses and residents in support of those efforts.
- d. Modify the City’s lighting standards to encourage the application of “Dark Skies” goals (discourage excessive and spill-over lighting).
- e. Develop an ordinance to encourage energy efficiency upgrades and improvements in existing buildings. Empower the real estate community and other stakeholders to participate in current financial incentives and energy-retrofit opportunities prior to sale.
- f. Promote energy and water conservation design features in all major renovation and development projects.
- g. Encourage pool covers and solar pool heating systems in place of conventional methods for heating residential swimming pools.
- h. Encourage the efficient use of water and reduce urban runoff through the use of natural drainage, drought tolerant landscaping, and efficient irrigation systems in major renovation and new development projects. Recommend the incorporation of these practices within the approval processes of other local and regional departments and jurisdictions.
- i. Promote the coordination of landscapers and residential Solar Power contractors to minimize heat buildup at existing and new homes through more effective shading design.

- j. Continue the planned expansion of the City’s vehicle fleet with less polluting hybrid vehicles that are more energy efficient.
- k. Continue to replace the City’s existing diesel fuel burning Rapid Transit bus fleet with less polluting natural-gas fueled vehicles.
- l. Explore and implement other energy conservation programs and measures that may prove beneficial to West Covina’s economy and environment.

Greenhouse Gas Emissions Impact Analysis

The following questions correspond to the questions in the Greenhouse Gas Emissions section of the Initial Study Checklist in Appendix G of the State CEQA Guidelines.

Question GHG-1 Would the Project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Significant and Unavoidable Impact.

In developing methods for GHG impact analysis, quantitative thresholds, often referred to as screening levels, have been suggested to define an emissions level below which it may be presumed that climate change impacts would be less than significant. Neither the SCAQMD, the City of West Covina, nor the County of Los Angeles has adopted a significance threshold for the GHG emissions from non-industrial development projects. Consequently, pursuant to the discretion afforded by Sections 15064.4(a) and 15064.4(b) of the CEQA Guidelines, the impact of the Project’s GHG emissions will be assessed based on the methodologies proposed by SCAQMD’s GHG CEQA Significance Threshold Working Group.

On December 5, 2008, the SCAQMD Governing Board adopted the staff proposal for a tiered threshold approach wherein Tier 1 determines if a project qualifies for an applicable CEQA exemption; Tier 2 determines consistency with GHG reduction plans; and Tier 3 proposes a numerical screening value as a threshold. At their September 28, 2010, meeting, the Working Group suggested a Tier 3 threshold of 3,000 metric tons of carbon dioxide equivalent (MTCO_{2e}) per year for all land use types.

Tier 4 determines if the project meets performance standards. Tier 4 has three options: Option 1—percent emission reduction target; option 2—early implementation of applicable measures, and option 3—sector-based standard. Tier 5 determines mitigation for CEQA offsets.

In the absence of adopted thresholds, the Tier 3 threshold (3,000 MTCO_{2e}) and Tier 4 thresholds are used for this analysis (SCAQMD 2008). It is noted that the use of the Tier 3 threshold was selected for the proposed Project because it is located in the South Coast Air Basin, and these thresholds are based on the best available information and data at the time of preparation of this document. The development of project-level thresholds in accordance with CEQA is an ongoing effort at the State, regional, and County levels; and significance thresholds may differ for future projects based on new or additional data and information that may be available at that time for consideration. Additionally, the Tier 4, option 3 standard is used for this analysis. The option 3 analysis proposes efficiency targets for 2020 and 2035. The project-level threshold for 2020 targets is 4.8 metric tons per year of carbon dioxide equivalent (MTCO_{2e}/year), and 3.0 MTCO_{2e}/year for the 2035 target. The 2020 Project level efficiency target was established by SCAQMD based on the AB 32-generated projections for land use sectors. SCAQMD utilized the projected 1990 Land Use Sectors GHG Emissions target of 295,530,000 MTCO_{2e} to determine the appropriate efficiency targets. The “service population” (SP) used for the project-level threshold also uses the projected employment for just land use sources instead of the total statewide employment used in the BAU analysis.

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Based on the proposed construction activities described above, the principal source of construction GHG emissions would be internal combustion engines of construction equipment, on-road construction vehicles, and workers’ commuting vehicles. GHG emissions from construction activities were obtained from the CalEEMod model, described above. The estimated construction GHG emissions for the Project would be 8,707 MTCO₂e, as shown in Table 11.

**TABLE 11
 ESTIMATED GREENHOUSE GAS EMISSIONS
 FROM CONSTRUCTION**

Source	Emissions (MTCO₂e)
2019	65
2020	1,563
2021	1,682
2022	1,884
2023	809
2024	806
2025	793
2026	408
2028	620
2029	77
Total	8,707
MTCO ₂ e: metric tons of carbon dioxide equivalent Notes: <ul style="list-style-type: none"> • Totals may not add due to rounding variances. • Detailed calculations in Attachment A. 	

Operational GHG emissions would come primarily from vehicle trips; other sources include electricity and water consumption, natural gas for space and water heating, and gasoline-powered landscaping and maintenance equipment. Estimated operational GHG emissions from full buildout of the Project are shown in Table 12. These emissions do not include the application of mitigation measures.

**TABLE 12
 ESTIMATED UNMITIGATED ANNUAL GREENHOUSE GAS
 EMISSIONS FROM PROJECT OPERATION**

Source	Emissions (MTCO ₂ e/yr)
Area	<1
Energy	4,956
Mobile	5,134
Stationary	18
Waste	2,661
Water	381
Total Operational Emissions	13,151
MTCO ₂ e/yr: metric tons of carbon dioxide equivalent per year	
Notes:	
<ul style="list-style-type: none"> Totals may not add due to rounding variances. Detailed calculations in Attachment A. 	

Because impacts from construction activities occur over a relatively short period of time, they contribute a relatively small portion of the overall lifetime project GHG emissions. In addition, GHG emission reduction measures for construction equipment are relatively limited. The SCAQMD recommends that construction emissions be amortized over a 30-year project lifetime so that GHG reduction measures address construction GHG emissions as part of the operational GHG reduction strategies (SCAQMD 2008). Therefore, construction and operational emissions are combined by amortizing the construction and operations over an assumed 30-year project lifetime. This combination is shown in Table 13 using the Project emissions and is compared to the SCAQMD’s draft Tier 3 threshold, as discussed previously. The Tier 3 threshold was developed to identify projects that would have a considerable amount of GHG emissions. This threshold identifies projects that exceed a certain magnitude of emissions and does not provide any information as to whether projects are considered to be “green” or meet efficient relative to GHG emissions. The Tier 4 thresholds were developed to determine whether a project is considered to be “green” or efficient relative to GHG emissions per service population.

**TABLE 13
 TOTAL UNMITIGATED PROJECT ANNUAL GREENHOUSE GAS
 EMISSIONS EVALUATED AGAINST THE TIER 3 THRESHOLDS**

Source	Emissions (MTCO ₂ e/yr)
Construction Amortized	290 ^a
Operations (Table 14)	13,151
Total^b	13,441
SCAQMD Tier 3 Threshold	3,000
Exceeds Tier 3 Threshold?	Yes
MTCO ₂ e/yr: metric tons of carbon dioxide equivalent per year; year.	
^a Total derived by dividing construction emissions (see Table 12) by 30.	
^b Total annual emissions is the sum of amortized construction emissions and operational emissions.	

As shown in Table 13, the Project would exceed the SCAQMD’s Tier 3 thresholds. Based on the SCAQMD’s Interim CEQA GHG Significance Threshold guidance document, exceedance of the Tier 3 threshold would trigger the use of the Tier 4 threshold. Table 14 provides an evaluation of the Project’s emissions against the Tier 4 efficiency threshold. As shown in Table 14, the Project would exceed the efficiency threshold without the implementation of mitigation measures.

**TABLE 14
 TOTAL UNMITIGATED PROJECT ANNUAL GREENHOUSE GAS
 EMISSIONS EVALUATED AGAINST THE TIER 4 THRESHOLDS**

Source	Emissions (MTCO ₂ e/yr)
Total Project GHG Emissions(MTCO₂e/yr)^a	13,441
Service Person Population	1,096
Project GHG Efficiency (MTCO₂e/SP/yr)	12.3
SCAQMD Tier 4 Threshold for 2035 (MTCO₂e/SP/yr)	3.0
Exceeds Tier 4 Threshold?	Yes
MTCO ₂ e/yr: metric tons of carbon dioxide equivalent per year; year.	
^a Total annual emissions is the sum of amortized construction emissions and operational emissions.	

Mitigation Measures

MM GHG-1 The Project shall install solar photovoltaic panels that generate at least 25% of the additional electricity demand associated with all buildings related to Project improvements.

The Project will comply energy efficiency requirements established in the CalGreen Codes. Other mitigation measures such as transportation related measures were considered but rejected in light of the inability of the Project applicant to enforce these measures as well as the considerations to the many special circumstances that would arise associated with the transport of medical patients. Table 15 provides an evaluation of the Project’s mitigated emissions against the Tier 4 efficiency threshold. As shown in Table 15, the Project would exceed the efficiency threshold despite the implementation of mitigation measures

**TABLE 15
 TOTAL MITIGATED PROJECT ANNUAL GREENHOUSE GAS EMISSIONS
 EVALUATED AGAINST THE TIER 4 THRESHOLDS**

Source	Emissions (MTCO ₂ e/yr)
Total Project GHG Emissions(MTCO₂e/yr)^a	12,496
Service Person Population	1,096
Project GHG Efficiency (MTCO₂e/SP/yr)	11.4
SCAQMD Tier 4 Threshold for 2035 (MTCO₂e/SP/yr)	3.0
Exceeds Tier 4 Threshold?	Yes
MTCO ₂ e/yr: metric tons of carbon dioxide equivalent per year; year.	
^a Total annual emissions is the sum of amortized construction emissions and operational emissions.	

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With implementation of MM GHG-1 for implementation of 25% of renewable energy, the emissions would still exceed the SCAQMD’s Tier 4 thresholds. As such, the Project will result in an unavoidable significant impact related to GHG emissions.

Question GHG-2 Would the Project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Significant and Unavoidable Impact.

As discussed previously, the City of West Covina has adopted standards for the purpose of reducing energy consumption which would result in a reduction in GHG emissions. The State policy and standards adopted for the purpose of reducing GHG emissions that are applicable to the proposed Project are Executive Order S-3-05, AB 32, the California Global Warming Solutions Act of 2006, and SB 32. The quantitative goal of these regulations is to reduce GHG emissions to 1990 levels by 2020 to 80 percent below 1990 levels by 2050 and, for SB 32, to 40 percent below 1990 levels by 2030. Statewide plans and regulations (such as GHG emissions standards for vehicles, the Low Carbon Fuel Standard, Cap-and-Trade, and renewable energy) are being implemented at the statewide level; and compliance at a project level is not addressed.

As stated above, the City adopted the Energy Action Plan to identify the City’s long-term strategies and commitment to achieve energy efficiency in the community and in City operations. However, the EAP does not include requirements or standards for implementation of energy reduction to development projects. Table 15 below shows the applicable EAP policies applicable to the Project and the Project’s consistency with these policies.

**TABLE 15
 ENERGY ACTION PLAN CONSISTENCY**

Energy Action Plan Policy	Project Consistency Analysis
Provide on-line (Internet accessible) guidance and assistance to Homeowners and Builders to make compliance with new Title 24 energy requirements as effective and efficient as possible.	Consistent. The Project site would be equipped with internet accessibility, which would provide builders with the ability to effectively and efficiently meet Title 24 energy requirements.
Modify the City’s lighting standards to encourage the application of “Dark Skies” goals (discourage excessive and spill-over lighting).	Consistent. The Project shall comply with the City’s Lighting ordinance (Section 26-570) for non-residential buildings.
Promote energy and water conservation design features in all major renovation and development projects.	Consistent. The Project is designed to meet current Title 24 Standards at the time of Building Permit Review.
Encourage the efficient use of water and reduce urban runoff through the use of natural drainage, drought tolerant landscaping, and efficient irrigation systems in major renovation and new development projects. Recommend the incorporation of these practices within the approval processes of other local and regional departments and jurisdictions.	Consistent. The Project would meet current California Green Building Standards Code (CALGreen Code) for indoor water use.
Source: City of West Covina 2011.	

As described above, the Project is consistent with applicable EAP policies. The proposed Project would be built to meet the current applicable Title 24 Energy Efficiency Standards for Nonresidential Buildings (*California Code of Regulations* [CCR], Title 24, Part 6) and the applicable CALGreen Code (24 CCR 11). The proposed Project would be developed in compliance with the requirements of these regulations.

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The proposed Project is an update to an existing medical use project. Public transit availability would reduce vehicle trips and associated GHG emissions when compared with locations without similar transit attributes. Additionally, the Project would provide bicycle parking and storage areas to encourage reduction of fossil-fueled vehicle use by employees and the associated GHG emissions, and it would provide new facilities for charging of electric vehicles and parking for low-emission vehicles.

The Project would generate GHG emissions, either directly and indirectly, that exceeds the Tier 3 and Tier 4 interim thresholds and would potentially have a significant impact on the environment related to the magnitude and GHG efficiency thresholds. These exceedances are related to the size of the Project and the associated transportation related emissions and not related to the energy efficiency of the buildings which are required to comply with the stringent Title 24 Building Standards.

As shown in Table 15, the Project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs. However, due to the exceedances of the SCAQMD's significance Tier 3 and Tier 4 thresholds with the implementation of mitigation measures, the impact would be significant and unavoidable.

CONCLUSION

The Project was analyzed for potential air quality and GHG emissions from both the construction and operational phases. The Project would not conflict with or obstruct implementation of the SCAQMD *2016 Air Quality Management Plan*. As previously shown in Tables 5 through 10, air quality impacts from construction and operation of the Project would be under SCAQMD air quality thresholds with implementation of MM AQ-1 through MM AQ-3. Project-related construction air quality emissions would not be cumulatively considerable, and the impact would be less than significant with mitigation. Sensitive receptors near the Project site would not be exposed to substantial pollutant concentrations, and the impact would be less than significant with mitigation. The Project would not produce objectionable odors that constitute a public nuisance. Regarding GHG emissions, the Project would generate GHG emissions, either directly or indirectly, that would have a significant impact on the environment. The impact would be significant and unavoidable. In conclusion, the Project would have less than significant air quality impacts but greenhouse gas emissions related to the Project would result in an unavoidable significant impact.

Thank you for the opportunity to assist on this Project. If you have any questions or comments, please contact me at (626) 351-2000.

Sincerely,
P S O M A S



Tin Cheung
Director of Air Quality, Climate Change, and Noise Services

Attachment A – CalEEMod Data

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ATTACHMENT A

CALEEMOD DATA

Attached is the output data from the CalEEMod criteria air pollutant and greenhouse gas emissions (GHG) model.

Queen of the Valley Hospital Specific Plan--Immediate Impvts Phase - Los Angeles-South Coast County, Annual

Queen of the Valley Hospital Specific Plan--Immediate Impvts Phase
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	500.00	Space	3.00	130,680.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - From PD
 Construction Phase -
 Demolition -
 Construction Off-road Equipment Mitigation - Tier 3 Mitigation

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblLandUse	LandUseSquareFeet	200,000.00	130,680.00
tblLandUse	LotAcreage	4.50	3.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0815	0.6002	0.3935	7.2000e-004	0.0615	0.0301	0.0916	0.0278	0.0279	0.0557	0.0000	64.8963	64.8963	0.0169	0.0000	65.3175

Maximum	0.0815	0.6002	0.3935	7.2000e-004	0.0615	0.0301	0.0916	0.0278	0.0279	0.0557	0.0000	64.8963	64.8963	0.0169	0.0000	65.3175
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Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0402	0.3272	0.4375	7.2000e-004	0.0270	0.0156	0.0426	0.0116	0.0156	0.0272	0.0000	64.8962	64.8962	0.0169	0.0000	65.3174
Maximum	0.0402	0.3272	0.4375	7.2000e-004	0.0270	0.0156	0.0426	0.0116	0.0156	0.0272	0.0000	64.8962	64.8962	0.0169	0.0000	65.3174

	ROG	NOx	CO	SO2	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	50.68	45.48	-11.17	0.00	56.12	48.07	53.49	58.13	44.09	51.10	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2019	3-31-2019	0.6556	0.3564
		Highest	0.6556	0.3564

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Area	0.0109	6.0000e-005	6.4200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0124	0.0124	3.0000e-005	0.0000	0.0132
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	14.5731	14.5731	6.0000e-004	1.2000e-004	14.6252
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0109	6.0000e-005	6.4200e-003	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	2.0000e-005	2.0000e-005	0.0000	14.5855	14.5855	6.3000e-004	1.2000e-004	14.6385

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0109	6.0000e-005	6.4200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0124	0.0124	3.0000e-005	0.0000	0.0132
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	14.5731	14.5731	6.0000e-004	1.2000e-004	14.6252
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0109	6.0000e-005	6.4200e-003	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	2.0000e-005	2.0000e-005	0.0000	14.5855	14.5855	6.3000e-004	1.2000e-004	14.6385

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2019	1/28/2019	5	20	
2	Site Preparation	Site Preparation	1/29/2019	1/31/2019	5	3	
3	Grading	Grading	2/1/2019	2/8/2019	5	6	
4	Paving	Paving	2/9/2019	2/22/2019	5	10	
5	Architectural Coating	Architectural Coating	2/23/2019	3/8/2019	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 3

Acres of Paving: 3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 7,841

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Architectural Coating	Air Compressors	1	6.00	78	0.48
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	91.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	11.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.8400e-003	0.0000	9.8400e-003	1.4900e-003	0.0000	1.4900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0351	0.3578	0.2206	3.9000e-004		0.0180	0.0180		0.0167	0.0167	0.0000	34.6263	34.6263	9.6300e-003	0.0000	34.8672
Total	0.0351	0.3578	0.2206	3.9000e-004	9.8400e-003	0.0180	0.0278	1.4900e-003	0.0167	0.0182	0.0000	34.6263	34.6263	9.6300e-003	0.0000	34.8672

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3000e-004	0.0144	3.0600e-003	4.0000e-005	7.8000e-004	5.0000e-005	8.3000e-004	2.1000e-004	5.0000e-005	2.6000e-004	0.0000	3.5430	3.5430	2.5000e-004	0.0000	3.5493
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.5000e-004	6.3000e-004	6.8100e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5800	1.5800	5.0000e-005	0.0000	1.5814
Total	1.1800e-003	0.0150	9.8700e-003	6.0000e-005	2.4200e-003	6.0000e-005	2.4900e-003	6.5000e-004	6.0000e-005	7.1000e-004	0.0000	5.1231	5.1231	3.0000e-004	0.0000	5.1307

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.8400e-003	0.0000	3.8400e-003	5.8000e-004	0.0000	5.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2500e-003	0.1831	0.2467	3.9000e-004		8.6300e-003	8.6300e-003		8.6300e-003	8.6300e-003	0.0000	34.6263	34.6263	9.6300e-003	0.0000	34.8671
Total	9.2500e-003	0.1831	0.2467	3.9000e-004	3.8400e-003	8.6300e-003	0.0125	5.8000e-004	8.6300e-003	9.2100e-003	0.0000	34.6263	34.6263	9.6300e-003	0.0000	34.8671

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	4.3000e-004	0.0144	3.0600e-003	4.0000e-005	7.8000e-004	5.0000e-005	8.3000e-004	2.1000e-004	5.0000e-005	2.6000e-004	0.0000	3.5430	3.5430	2.5000e-004	0.0000	3.5493
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.5000e-004	6.3000e-004	6.8100e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5800	1.5800	5.0000e-005	0.0000	1.5814
Total	1.1800e-003	0.0150	9.8700e-003	6.0000e-005	2.4200e-003	6.0000e-005	2.4900e-003	6.5000e-004	6.0000e-005	7.1000e-004	0.0000	5.1231	5.1231	3.0000e-004	0.0000	5.1307

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0271	0.0000	0.0271	0.0149	0.0000	0.0149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5000e-003	0.0684	0.0331	6.0000e-005		3.5900e-003	3.5900e-003		3.3000e-003	3.3000e-003	0.0000	5.1253	5.1253	1.6200e-003	0.0000	5.1658
Total	6.5000e-003	0.0684	0.0331	6.0000e-005	0.0271	3.5900e-003	0.0307	0.0149	3.3000e-003	0.0182	0.0000	5.1253	5.1253	1.6200e-003	0.0000	5.1658

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	1.1000e-004	1.2300e-003	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2844	0.2844	1.0000e-005	0.0000	0.2847

Total	1.4000e-004	1.1000e-004	1.2300e-003	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2844	0.2844	1.0000e-005	0.0000	0.2847
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0106	0.0000	0.0106	5.8100e-003	0.0000	5.8100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4000e-003	0.0286	0.0344	6.0000e-005		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	5.1253	5.1253	1.6200e-003	0.0000	5.1658
Total	1.4000e-003	0.0286	0.0344	6.0000e-005	0.0106	1.4200e-003	0.0120	5.8100e-003	1.4200e-003	7.2300e-003	0.0000	5.1253	5.1253	1.6200e-003	0.0000	5.1658

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	1.1000e-004	1.2300e-003	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2844	0.2844	1.0000e-005	0.0000	0.2847
Total	1.4000e-004	1.1000e-004	1.2300e-003	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2844	0.2844	1.0000e-005	0.0000	0.2847

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0197	0.0000	0.0197	0.0101	0.0000	0.0101	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7400e-003	0.0850	0.0489	9.0000e-005		4.1900e-003	4.1900e-003		3.8600e-003	3.8600e-003	0.0000	7.9927	7.9927	2.5300e-003	0.0000	8.0559
Total	7.7400e-003	0.0850	0.0489	9.0000e-005	0.0197	4.1900e-003	0.0239	0.0101	3.8600e-003	0.0140	0.0000	7.9927	7.9927	2.5300e-003	0.0000	8.0559

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.9000e-004	2.0400e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4740	0.4740	2.0000e-005	0.0000	0.4744
Total	2.3000e-004	1.9000e-004	2.0400e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4740	0.4740	2.0000e-005	0.0000	0.4744

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.6700e-003	0.0000	7.6700e-003	3.9400e-003	0.0000	3.9400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1800e-003	0.0445	0.0570	9.0000e-005		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	7.9927	7.9927	2.5300e-003	0.0000	8.0559
Total	2.1800e-003	0.0445	0.0570	9.0000e-005	7.6700e-003	2.2700e-003	9.9400e-003	3.9400e-003	2.2700e-003	6.2100e-003	0.0000	7.9927	7.9927	2.5300e-003	0.0000	8.0559

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.9000e-004	2.0400e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4740	0.4740	2.0000e-005	0.0000	0.4744
Total	2.3000e-004	1.9000e-004	2.0400e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4740	0.4740	2.0000e-005	0.0000	0.4744

3.5 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.3400e-003	0.0638	0.0616	9.0000e-005		3.6000e-003	3.6000e-003		3.3200e-003	3.3200e-003	0.0000	8.3612	8.3612	2.5700e-003	0.0000	8.4255
Paving	3.9300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0103	0.0638	0.0616	9.0000e-005		3.6000e-003	3.6000e-003		3.3200e-003	3.3200e-003	0.0000	8.3612	8.3612	2.5700e-003	0.0000	8.4255

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	4.2000e-004	4.5400e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	1.0534	1.0534	4.0000e-005	0.0000	1.0543
Total	5.0000e-004	4.2000e-004	4.5400e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	1.0534	1.0534	4.0000e-005	0.0000	1.0543

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.6400e-003	0.0482	0.0700	9.0000e-005		2.7300e-003	2.7300e-003		2.7300e-003	2.7300e-003	0.0000	8.3611	8.3611	2.5700e-003	0.0000	8.4255
Paving	3.9300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.5700e-003	0.0482	0.0700	9.0000e-005		2.7300e-003	2.7300e-003		2.7300e-003	2.7300e-003	0.0000	8.3611	8.3611	2.5700e-003	0.0000	8.4255

Mitigated Construction Off-Site

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.3000e-004	2.5000e-003	1.0000e-005	6.0000e-004	1.0000e-005	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5794	0.5794	2.0000e-005	0.0000	0.5798
Total	2.8000e-004	2.3000e-004	2.5000e-003	1.0000e-005	6.0000e-004	1.0000e-005	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5794	0.5794	2.0000e-005	0.0000	0.5798

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0182					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0000e-004	6.7800e-003	9.1600e-003	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	1.2766	1.2766	1.1000e-004	0.0000	1.2793
Total	0.0185	6.7800e-003	9.1600e-003	1.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	1.2766	1.2766	1.1000e-004	0.0000	1.2793

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.3000e-004	2.5000e-003	1.0000e-005	6.0000e-004	1.0000e-005	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5794	0.5794	2.0000e-005	0.0000	0.5798
Total	2.8000e-004	2.3000e-004	2.5000e-003	1.0000e-005	6.0000e-004	1.0000e-005	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5794	0.5794	2.0000e-005	0.0000	0.5798

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C- M	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	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
Parking Lot	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	45738	14.5731	6.0000e-004	1.2000e-004	14.6252
Total		14.5731	6.0000e-004	1.2000e-004	14.6252

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e

Consumer Products	8.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-004	6.0000e-005	6.4200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0124	0.0124	3.0000e-005	0.0000	0.0132
Total	0.0109	6.0000e-005	6.4200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0124	0.0124	3.0000e-005	0.0000	0.0132

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	1.8200e-003						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.4500e-003						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-004	6.0000e-005	6.4200e-003	0.0000			2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0124	0.0124	3.0000e-005	0.0000
Total	0.0109	6.0000e-005	6.4200e-003	0.0000			2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0124	0.0124	3.0000e-005	0.0000

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			

Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Queen of the Valley Hospital Specific Plan--Immediate Impvts Phase - Los Angeles-South Coast County, Summer

**Queen of the Valley Hospital Specific Plan--Immediate Impvts Phase
Los Angeles-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	500.00	Space	3.00	130,680.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - From PD
 Construction Phase -
 Demolition -
 Construction Off-road Equipment Mitigation - Tier 3 Mitigation

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblLandUse	LandUseSquareFeet	200,000.00	130,680.00
tblLandUse	LotAcreage	4.50	3.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	4.4249	45.6388	23.0804	0.0443	18.2675	2.3921	20.6596	9.9840	2.2007	12.1848	0.0000	4,392.1952	4,392.1952	1.1992	0.0000	4,419.5744
												2				4

Maximum	4.4249	45.6388	23.0804	0.0443	18.2675	2.3921	20.6596	9.9840	2.2007	12.1848	0.0000	4,392.1952	4,392.1952	1.1992	0.0000	4,419.5744
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Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	3.7487	19.7616	25.6943	0.0443	7.2470	0.9479	8.1949	3.9263	0.9478	4.8741	0.0000	4,392.1952	4,392.1952	1.1992	0.0000	4,419.5743
Maximum	3.7487	19.7616	25.6943	0.0443	7.2470	0.9479	8.1949	3.9263	0.9478	4.8741	0.0000	4,392.1952	4,392.1952	1.1992	0.0000	4,419.5743

	ROG	NOx	CO	SO2	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	15.28	56.70	-11.32	0.00	60.33	60.37	60.33	60.67	56.93	60.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0611	4.7000e-004	0.0514	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1094	0.1094	2.9000e-004		0.1168
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Total	0.0611	4.7000e-004	0.0514	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	1.8000e-004	1.8000e-004		0.1094	0.1094	2.9000e-004	0.0000	0.1168
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Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0611	4.7000e-004	0.0514	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1094	0.1094	2.9000e-004		0.1168
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0611	4.7000e-004	0.0514	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	1.8000e-004	1.8000e-004		0.1094	0.1094	2.9000e-004	0.0000	0.1168

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2019	1/28/2019	5	20	
2	Site Preparation	Site Preparation	1/29/2019	1/31/2019	5	3	
3	Grading	Grading	2/1/2019	2/8/2019	5	6	
4	Paving	Paving	2/9/2019	2/22/2019	5	10	
5	Architectural Coating	Architectural Coating	2/23/2019	3/8/2019	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 3

Acres of Paving: 3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 7,841

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	91.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	11.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9844	0.0000	0.9844	0.1490	0.0000	0.1490			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	0.9844	1.7949	2.7793	0.1490	1.6697	1.8187		3,816.8994	3,816.8994	1.0618		3,843.4451

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0428	1.3936	0.2971	3.6400e-003	0.0796	5.1100e-003	0.0847	0.0218	4.8900e-003	0.0267		393.3529	393.3529	0.0271		394.0301
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0749	0.0551	0.7233	1.8300e-003	0.1677	1.4500e-003	0.1691	0.0445	1.3300e-003	0.0458		181.9429	181.9429	6.2500e-003		182.0992
Total	0.1177	1.4487	1.0204	5.4700e-003	0.2472	6.5600e-003	0.2538	0.0663	6.2200e-003	0.0725		575.2958	575.2958	0.0333		576.1293

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3839	0.0000	0.3839	0.0581	0.0000	0.0581			0.0000			0.0000
Off-Road	0.9246	18.3130	24.6739	0.0388		0.8627	0.8627		0.8627	0.8627	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	0.9246	18.3130	24.6739	0.0388	0.3839	0.8627	1.2466	0.0581	0.8627	0.9209	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0428	1.3936	0.2971	3.6400e-003	0.0796	5.1100e-003	0.0847	0.0218	4.8900e-003	0.0267		393.3529	393.3529	0.0271		394.0301
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0749	0.0551	0.7233	1.8300e-003	0.1677	1.4500e-003	0.1691	0.0445	1.3300e-003	0.0458		181.9429	181.9429	6.2500e-003		182.0992
Total	0.1177	1.4487	1.0204	5.4700e-003	0.2472	6.5600e-003	0.2538	0.0663	6.2200e-003	0.0725		575.2958	575.2958	0.0333		576.1293

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0899	0.0661	0.8679	2.1900e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550		218.3315	218.3315	7.5000e-003		218.5190
Total	0.0899	0.0661	0.8679	2.1900e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550		218.3315	218.3315	7.5000e-003		218.5190

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000

Off-Road	0.9312	19.0656	22.9600	0.0380		0.9462	0.9462		0.9462	0.9462	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	0.9312	19.0656	22.9600	0.0380	7.0458	0.9462	7.9920	3.8730	0.9462	4.8191	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0899	0.0661	0.8679	2.1900e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550		218.3315	218.3315	7.5000e-003		218.5190
Total	0.0899	0.0661	0.8679	2.1900e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550		218.3315	218.3315	7.5000e-003		218.5190

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.5805	28.3480	16.2934	0.0297		1.3974	1.3974		1.2856	1.2856		2,936.8068	2,936.8068	0.9292		2,960.0361
Total	2.5805	28.3480	16.2934	0.0297	6.5523	1.3974	7.9497	3.3675	1.2856	4.6531		2,936.8068	2,936.8068	0.9292		2,960.0361

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0749	0.0551	0.7233	1.8300e-003	0.1677	1.4500e-003	0.1691	0.0445	1.3300e-003	0.0458		181.9429	181.9429	6.2500e-003		182.0992
Total	0.0749	0.0551	0.7233	1.8300e-003	0.1677	1.4500e-003	0.1691	0.0445	1.3300e-003	0.0458		181.9429	181.9429	6.2500e-003		182.0992

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	0.7263	14.8397	18.9906	0.0297		0.7555	0.7555		0.7555	0.7555	0.0000	2,936.8068	2,936.8068	0.9292		2,960.0361
Total	0.7263	14.8397	18.9906	0.0297	2.5554	0.7555	3.3110	1.3133	0.7555	2.0689	0.0000	2,936.8068	2,936.8068	0.9292		2,960.0361

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0749	0.0551	0.7233	1.8300e-003	0.1677	1.4500e-003	0.1691	0.0445	1.3300e-003	0.0458		181.9429	181.9429	6.2500e-003			182.0992
Total	0.0749	0.0551	0.7233	1.8300e-003	0.1677	1.4500e-003	0.1691	0.0445	1.3300e-003	0.0458		181.9429	181.9429	6.2500e-003			182.0992

3.5 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.2679	12.7604	12.3130	0.0189		0.7196	0.7196		0.6637	0.6637		1,843.3191	1,843.3191	0.5671			1,857.4966
Paving	0.7860					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	2.0539	12.7604	12.3130	0.0189		0.7196	0.7196		0.6637	0.6637		1,843.3191	1,843.3191	0.5671			1,857.4966

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0999	0.0734	0.9643	2.4400e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		242.5906	242.5906	8.3300e-003		242.7989
Total	0.0999	0.0734	0.9643	2.4400e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		242.5906	242.5906	8.3300e-003		242.7989

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5270	9.6410	13.9949	0.0189		0.5462	0.5462		0.5462	0.5462	0.0000	1,843.3191	1,843.3191	0.5671		1,857.4966
Paving	0.7860					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3130	9.6410	13.9949	0.0189		0.5462	0.5462		0.5462	0.5462	0.0000	1,843.3191	1,843.3191	0.5671		1,857.4966

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0999	0.0734	0.9643	2.4400e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		242.5906	242.5906	8.3300e-003		242.7989
Total	0.0999	0.0734	0.9643	2.4400e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		242.5906	242.5906	8.3300e-003		242.7989

3.6 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.6343					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	3.9007	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0550	0.0404	0.5304	1.3400e-003	0.1230	1.0600e-003	0.1240	0.0326	9.8000e-004	0.0336		133.4248	133.4248	4.5800e-003			133.5394
Total	0.0550	0.0404	0.5304	1.3400e-003	0.1230	1.0600e-003	0.1240	0.0326	9.8000e-004	0.0336		133.4248	133.4248	4.5800e-003			133.5394

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.6343					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0238			282.0423
Total	3.6937	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0238			282.0423

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0550	0.0404	0.5304	1.3400e-003	0.1230	1.0600e-003	0.1240	0.0326	9.8000e-004	0.0336		133.4248	133.4248	4.5800e-003		133.5394
Total	0.0550	0.0404	0.5304	1.3400e-003	0.1230	1.0600e-003	0.1240	0.0326	9.8000e-004	0.0336		133.4248	133.4248	4.5800e-003		133.5394

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	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
Parking Lot	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0611	4.7000e-004	0.0514	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1094	0.1094	2.9000e-004		0.1168
Unmitigated	0.0611	4.7000e-004	0.0514	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1094	0.1094	2.9000e-004		0.1168

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	9.9600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.8300e-003	4.7000e-004	0.0514	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1094	0.1094	2.9000e-004		0.1168
Total	0.0611	4.7000e-004	0.0514	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1094	0.1094	2.9000e-004		0.1168

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	9.9600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.8300e-003	4.7000e-004	0.0514	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1094	0.1094	2.9000e-004		0.1168
Total	0.0611	4.7000e-004	0.0514	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1094	0.1094	2.9000e-004		0.1168

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Queen of the Valley Hospital Specific Plan--Immediate Impvts Phase - Los Angeles-South Coast County, Winter

**Queen of the Valley Hospital Specific Plan--Immediate Impvts Phase
Los Angeles-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	500.00	Space	3.00	130,680.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - From PD
 Construction Phase -
 Demolition -
 Construction Off-road Equipment Mitigation - Tier 3 Mitigation

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblLandUse	LandUseSquareFeet	200,000.00	130,680.00
tblLandUse	LotAcreage	4.50	3.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	4.4347	45.6459	23.0410	0.0441	18.2675	2.3921	20.6596	9.9840	2.2007	12.1848	0.0000	4,374.9006	4,374.9006	1.1987	0.0000	4,402.2967

Maximum	4.4347	45.6459	23.0410	0.0441	18.2675	2.3921	20.6596	9.9840	2.2007	12.1848	0.0000	4,374.9006	4,374.9006	1.1987	0.0000	4,402.2967
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Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	3.7546	19.7861	25.6548	0.0441	7.2470	0.9479	8.1949	3.9263	0.9478	4.8741	0.0000	4,374.9006	4,374.9006	1.1987	0.0000	4,402.2967
Maximum	3.7546	19.7861	25.6548	0.0441	7.2470	0.9479	8.1949	3.9263	0.9478	4.8741	0.0000	4,374.9006	4,374.9006	1.1987	0.0000	4,402.2967

	ROG	NOx	CO	SO2	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	15.33	56.65	-11.34	0.00	60.33	60.37	60.33	60.67	56.93	60.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0611	4.7000e-004	0.0514	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1094	0.1094	2.9000e-004		0.1168
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Total	0.0611	4.7000e-004	0.0514	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	1.8000e-004	1.8000e-004		0.1094	0.1094	2.9000e-004	0.0000	0.1168
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Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0611	4.7000e-004	0.0514	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1094	0.1094	2.9000e-004		0.1168
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0611	4.7000e-004	0.0514	0.0000	0.0000	1.8000e-004	1.8000e-004	0.0000	1.8000e-004	1.8000e-004		0.1094	0.1094	2.9000e-004	0.0000	0.1168

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2019	1/28/2019	5	20	
2	Site Preparation	Site Preparation	1/29/2019	1/31/2019	5	3	
3	Grading	Grading	2/1/2019	2/8/2019	5	6	
4	Paving	Paving	2/9/2019	2/22/2019	5	10	
5	Architectural Coating	Architectural Coating	2/23/2019	3/8/2019	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 3

Acres of Paving: 3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 7,841

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	91.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	11.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9844	0.0000	0.9844	0.1490	0.0000	0.1490			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	0.9844	1.7949	2.7793	0.1490	1.6697	1.8187		3,816.8994	3,816.8994	1.0618		3,843.4451

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0438	1.4122	0.3172	3.5700e-003	0.0796	5.2100e-003	0.0848	0.0218	4.9800e-003	0.0268		386.6816	386.6816	0.0281		387.3847
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0831	0.0610	0.6637	1.7200e-003	0.1677	1.4500e-003	0.1691	0.0445	1.3300e-003	0.0458		171.3196	171.3196	5.8900e-003		171.4670
Total	0.1269	1.4732	0.9809	5.2900e-003	0.2472	6.6600e-003	0.2539	0.0663	6.3100e-003	0.0726		558.0012	558.0012	0.0340		558.8516

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3839	0.0000	0.3839	0.0581	0.0000	0.0581			0.0000			0.0000
Off-Road	0.9246	18.3130	24.6739	0.0388		0.8627	0.8627		0.8627	0.8627	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	0.9246	18.3130	24.6739	0.0388	0.3839	0.8627	1.2466	0.0581	0.8627	0.9209	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0438	1.4122	0.3172	3.5700e-003	0.0796	5.2100e-003	0.0848	0.0218	4.9800e-003	0.0268		386.6816	386.6816	0.0281		387.3847
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0831	0.0610	0.6637	1.7200e-003	0.1677	1.4500e-003	0.1691	0.0445	1.3300e-003	0.0458		171.3196	171.3196	5.8900e-003		171.4670
Total	0.1269	1.4732	0.9809	5.2900e-003	0.2472	6.6600e-003	0.2539	0.0663	6.3100e-003	0.0726		558.0012	558.0012	0.0340		558.8516

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0997	0.0732	0.7965	2.0700e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550		205.5836	205.5836	7.0700e-003		205.7604
Total	0.0997	0.0732	0.7965	2.0700e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550		205.5836	205.5836	7.0700e-003		205.7604

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0380		0.9462	0.9462		0.9462	0.9462	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	0.9312	19.0656	22.9600	0.0380	7.0458	0.9462	7.9920	3.8730	0.9462	4.8191	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0997	0.0732	0.7965	2.0700e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550		205.5836	205.5836	7.0700e-003		205.7604
Total	0.0997	0.0732	0.7965	2.0700e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550		205.5836	205.5836	7.0700e-003		205.7604

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.5805	28.3480	16.2934	0.0297		1.3974	1.3974		1.2856	1.2856		2,936.8068	2,936.8068	0.9292		2,960.0361
Total	2.5805	28.3480	16.2934	0.0297	6.5523	1.3974	7.9497	3.3675	1.2856	4.6531		2,936.8068	2,936.8068	0.9292		2,960.0361

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0831	0.0610	0.6637	1.7200e-003	0.1677	1.4500e-003	0.1691	0.0445	1.3300e-003	0.0458		171.3196	171.3196	5.8900e-003		171.4670
Total	0.0831	0.0610	0.6637	1.7200e-003	0.1677	1.4500e-003	0.1691	0.0445	1.3300e-003	0.0458		171.3196	171.3196	5.8900e-003		171.4670

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	0.7263	14.8397	18.9906	0.0297		0.7555	0.7555		0.7555	0.7555	0.0000	2,936.8068	2,936.8068	0.9292		2,960.0361
Total	0.7263	14.8397	18.9906	0.0297	2.5554	0.7555	3.3110	1.3133	0.7555	2.0689	0.0000	2,936.8068	2,936.8068	0.9292		2,960.0361

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0831	0.0610	0.6637	1.7200e-003	0.1677	1.4500e-003	0.1691	0.0445	1.3300e-003	0.0458		171.3196	171.3196	5.8900e-003		171.4670
Total	0.0831	0.0610	0.6637	1.7200e-003	0.1677	1.4500e-003	0.1691	0.0445	1.3300e-003	0.0458		171.3196	171.3196	5.8900e-003		171.4670

3.5 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2679	12.7604	12.3130	0.0189		0.7196	0.7196		0.6637	0.6637		1,843.3191	1,843.3191	0.5671		1,857.4966
Paving	0.7860					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.0539	12.7604	12.3130	0.0189		0.7196	0.7196		0.6637	0.6637		1,843.3191	1,843.3191	0.5671		1,857.4966

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1108	0.0813	0.8850	2.2900e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		228.4262	228.4262	7.8600e-003		228.6226
Total	0.1108	0.0813	0.8850	2.2900e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		228.4262	228.4262	7.8600e-003		228.6226

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.5270	9.6410	13.9949	0.0189		0.5462	0.5462		0.5462	0.5462	0.0000	1,843.3191	1,843.3191	0.5671			1,857.4966
Paving	0.7860					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.3130	9.6410	13.9949	0.0189		0.5462	0.5462		0.5462	0.5462	0.0000	1,843.3191	1,843.3191	0.5671			1,857.4966

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.1108	0.0813	0.8850	2.2900e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		228.4262	228.4262	7.8600e-003			228.6226
Total	0.1108	0.0813	0.8850	2.2900e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		228.4262	228.4262	7.8600e-003			228.6226

3.6 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	3.6343					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	3.9007	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0609	0.0447	0.4867	1.2600e-003	0.1230	1.0600e-003	0.1240	0.0326	9.8000e-004	0.0336		125.6344	125.6344	4.3200e-003		125.7424
Total	0.0609	0.0447	0.4867	1.2600e-003	0.1230	1.0600e-003	0.1240	0.0326	9.8000e-004	0.0336		125.6344	125.6344	4.3200e-003		125.7424

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.6343					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0238		282.0423
Total	3.6937	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0238		282.0423

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0609	0.0447	0.4867	1.2600e-003	0.1230	1.0600e-003	0.1240	0.0326	9.8000e-004	0.0336		125.6344	125.6344	4.3200e-003		125.7424
Total	0.0609	0.0447	0.4867	1.2600e-003	0.1230	1.0600e-003	0.1240	0.0326	9.8000e-004	0.0336		125.6344	125.6344	4.3200e-003		125.7424

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	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
Parking Lot	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0611	4.7000e-004	0.0514	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1094	0.1094	2.9000e-004		0.1168
Unmitigated	0.0611	4.7000e-004	0.0514	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1094	0.1094	2.9000e-004		0.1168

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	9.9600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.8300e-003	4.7000e-004	0.0514	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1094	0.1094	2.9000e-004		0.1168
Total	0.0611	4.7000e-004	0.0514	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1094	0.1094	2.9000e-004		0.1168

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	9.9600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0463					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.8300e-003	4.7000e-004	0.0514	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1094	0.1094	2.9000e-004		0.1168
Total	0.0611	4.7000e-004	0.0514	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1094	0.1094	2.9000e-004		0.1168

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Queen of the Valley Hospital Specific Plan- Phases 1A, 1B, 2 - Los Angeles-South Coast County, Annual

**Queen of the Valley Hospital Specific Plan- Phases 1A, 1B, 2
Los Angeles-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	213.81	1000sqft	4.91	213,810.00	0
Medical Office Building	90.00	1000sqft	2.07	90,000.00	0
Enclosed Parking with Elevator	500.00	Space	4.50	200,000.00	0
Parking Lot	35.00	1000sqft	0.80	35,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Based on PD and Client-provided data
- Construction Phase - .
- Demolition -
- Grading -
- Construction Off-road Equipment Mitigation - Tier 3 equipment

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	47.00
tblConstructionPhase	NumDays	20.00	47.00
tblConstructionPhase	NumDays	20.00	79.00
tblConstructionPhase	NumDays	300.00	593.00
tblConstructionPhase	NumDays	300.00	593.00
tblConstructionPhase	NumDays	300.00	993.00
tblConstructionPhase	NumDays	30.00	61.00
tblConstructionPhase	NumDays	30.00	61.00
tblConstructionPhase	NumDays	30.00	102.00
tblConstructionPhase	NumDays	20.00	47.00
tblConstructionPhase	NumDays	20.00	47.00
tblConstructionPhase	NumDays	20.00	79.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	NumDays	10.00	47.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Year	tons/yr										MT/yr					
	2020	0.9703	9.3479	7.3420	0.0173	1.5497	0.3993	1.9490	0.6466	0.3714	1.0180	0.0000	1,556.3186	1,556.3186	0.2709	0.0000
2021	0.7876	6.9878	6.8752	0.0185	0.7052	0.2594	0.9647	0.1906	0.2439	0.4346	0.0000	1,676.6170	1,676.6170	0.1955	0.0000	1,681.5038
2022	1.7655	8.6673	8.3695	0.0208	1.4969	0.3348	1.8317	0.5869	0.3121	0.8990	0.0000	1,876.0641	1,876.0641	0.3072	0.0000	1,883.7428
2023	0.3259	2.7502	3.1880	8.8800e-003	0.3513	0.0941	0.4454	0.0950	0.0885	0.1835	0.0000	806.3331	806.3331	0.0925	0.0000	808.6448
2024	0.3094	2.6388	3.1378	8.8500e-003	0.3540	0.0834	0.4374	0.0957	0.0785	0.1741	0.0000	804.1886	804.1886	0.0920	0.0000	806.4896
2025	0.2895	2.4892	3.0537	8.7100e-003	0.3526	0.0719	0.4245	0.0953	0.0676	0.1629	0.0000	790.9139	790.9139	0.0906	0.0000	793.1785
2026	0.7720	1.3377	1.8528	4.5100e-003	0.1585	0.0462	0.2047	0.0427	0.0433	0.0860	0.0000	406.3659	406.3659	0.0610	0.0000	407.8902
Maximum	1.7655	9.3479	8.3695	0.0208	1.5497	0.3993	1.9490	0.6466	0.3714	1.0180	0.0000	1,876.0641	1,876.0641	0.3072	0.0000	1,883.7428

Mitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
2020	0.4918	6.5505	7.8962	0.0173	0.8964	0.2695	1.1658	0.3310	0.2689	0.5999	0.0000	1,556.3176	1,556.3176	0.2709	0.0000	1,563.0899
2021	0.5187	6.1037	7.2720	0.0185	0.7052	0.2377	0.9430	0.1906	0.2372	0.4278	0.0000	1,676.6163	1,676.6163	0.1955	0.0000	1,681.5031
2022	1.3865	7.5405	9.3373	0.0208	0.9681	0.3168	1.2849	0.3326	0.3163	0.6490	0.0000	1,876.0630	1,876.0630	0.3072	0.0000	1,883.7417
2023	0.2284	2.6945	3.4234	8.8800e-003	0.3513	0.1145	0.4657	0.0950	0.1142	0.2092	0.0000	806.3327	806.3327	0.0925	0.0000	808.6445
2024	0.2219	2.7007	3.3832	8.8500e-003	0.3540	0.1143	0.4683	0.0957	0.1141	0.2098	0.0000	804.1883	804.1883	0.0920	0.0000	806.4892
2025	0.2138	2.6729	3.3073	8.7100e-003	0.3526	0.1129	0.4656	0.0953	0.1127	0.2080	0.0000	790.9136	790.9136	0.0906	0.0000	793.1781
2026	0.7246	1.5237	2.0582	4.5100e-003	0.1585	0.0712	0.2297	0.0427	0.0711	0.1139	0.0000	406.3656	406.3656	0.0610	0.0000	407.8900

Maximum	1.3865	7.5405	9.3373	0.0208	0.9681	0.3168	1.2849	0.3326	0.3163	0.6490	0.0000	1,876.0630	1,876.0630	0.3072	0.0000	1,883.7417
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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
Percent Reduction	27.48	12.95	-8.45	0.00	23.79	4.05	19.73	32.51	-2.43	18.27	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2020	3-31-2020	4.0181	2.0156
2	4-1-2020	6-30-2020	2.6637	1.8260
3	7-1-2020	9-30-2020	2.1372	1.7240
4	10-1-2020	12-31-2020	2.1491	1.7359
5	1-1-2021	3-31-2021	1.9102	1.6262
6	4-1-2021	6-30-2021	1.9215	1.6344
7	7-1-2021	9-30-2021	1.9426	1.6523
8	10-1-2021	12-31-2021	1.9526	1.6623
9	1-1-2022	3-31-2022	2.9397	2.3129
10	4-1-2022	6-30-2022	3.1400	2.6225
11	7-1-2022	9-30-2022	2.3276	2.0685
12	10-1-2022	12-31-2022	1.9672	1.8716
13	1-1-2023	3-31-2023	0.7598	0.7220
14	4-1-2023	6-30-2023	0.7644	0.7261
15	7-1-2023	9-30-2023	0.7728	0.7341
16	10-1-2023	12-31-2023	0.7767	0.7380
17	1-1-2024	3-31-2024	0.7307	0.7243
18	4-1-2024	6-30-2024	0.7270	0.7206
19	7-1-2024	9-30-2024	0.7350	0.7285
20	10-1-2024	12-31-2024	0.7387	0.7323
21	1-1-2025	3-31-2025	0.6837	0.7103
22	4-1-2025	6-30-2025	0.6877	0.7147
23	7-1-2025	9-30-2025	0.6953	0.7225
24	10-1-2025	12-31-2025	0.6989	0.7261

25	1-1-2026	3-31-2026	0.6796	0.7062
26	4-1-2026	6-30-2026	0.5163	0.5656
27	7-1-2026	9-30-2026	0.3736	0.4334
		Highest	4.0181	2.6225

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.2581	1.0000e-004	0.0107	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0208	0.0208	5.0000e-005	0.0000	0.0222
Energy	0.0797	0.7247	0.6087	4.3500e-003		0.0551	0.0551		0.0551	0.0551	0.0000	3,093.3174	3,093.3174	0.1103	0.0342	3,106.2495
Mobile	1.2064	5.8473	16.1500	0.0676	6.2465	0.0509	6.2974	1.6739	0.0472	1.7211	0.0000	6,265.8390	6,265.8390	0.2847	0.0000	6,272.9562
Waste						0.0000	0.0000		0.0000	0.0000	666.0438	0.0000	666.0438	39.3621	0.0000	1,650.0953
Water						0.0000	0.0000		0.0000	0.0000	12.0944	183.8648	195.9593	1.2498	0.0309	236.4131
Total	2.5442	6.5721	16.7694	0.0720	6.2465	0.1060	6.3525	1.6739	0.1023	1.7763	678.1382	9,543.0420	10,221.1803	41.0069	0.0651	11,265.7364

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.2581	1.0000e-004	0.0107	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0208	0.0208	5.0000e-005	0.0000	0.0222
Energy	0.0797	0.7247	0.6087	4.3500e-003		0.0551	0.0551		0.0551	0.0551	0.0000	3,093.3174	3,093.3174	0.1103	0.0342	3,106.2495

Mobile	1.2064	5.8473	16.1500	0.0676	6.2465	0.0509	6.2974	1.6739	0.0472	1.7211	0.0000	6,265.8390	6,265.8390	0.2847	0.0000	6,272.9562
Waste						0.0000	0.0000		0.0000	0.0000	666.0438	0.0000	666.0438	39.3621	0.0000	1,650.0953
Water						0.0000	0.0000		0.0000	0.0000	12.0944	183.8648	195.9593	1.2498	0.0309	236.4131
Total	2.5442	6.5721	16.7694	0.0720	6.2465	0.1060	6.3525	1.6739	0.1023	1.7763	678.1382	9,543.0420	10,221.1803	41.0069	0.0651	11,265.7364

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2020	2/11/2020	5	30	Phase 1 Site Preparation
2	Phase 1B Site Preparation	Site Preparation	1/1/2020	2/11/2020	5	30	
3	Phase 1A Grading	Grading	2/12/2020	5/6/2020	5	61	
4	Phase 1B Grading	Grading	2/12/2020	5/6/2020	5	61	
5	Phase 1A Building Construction	Building Construction	5/8/2020	8/16/2022	5	593	
6	Phase 1B Building Construction	Building Construction	5/8/2020	8/16/2022	5	593	
7	Phase 2 Site Preparation	Site Preparation	1/3/2022	3/8/2022	5	47	
8	Phase 2 Grading	Grading	3/9/2022	7/28/2022	5	102	
9	Phase 2 Building Construction	Building Construction	8/1/2022	5/20/2026	5	993	
10	Phase 1A Paving	Paving	8/16/2022	10/19/2022	5	47	
11	Phase 1B Paving	Paving	8/16/2022	10/19/2022	5	47	
12	Phase 1A Architectural Coating	Architectural Coating	10/20/2022	12/23/2022	5	47	
13	Phase 1B Architectural Coating	Architectural Coating	10/20/2022	12/23/2022	5	47	
14	Phase 2 Paving	Paving	5/21/2026	9/8/2026	5	79	
15	Phase 2 Architectural Coating	Architectural Coating	9/9/2026	12/28/2026	5	79	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 122,715; Non-Residential Outdoor: 40,905; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 1B Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Phase 1B Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 2 Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Phase 2 Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 1A Grading	Excavators	2	8.00	158	0.38
Phase 1A Grading	Graders	1	8.00	187	0.41
Phase 1A Grading	Rubber Tired Dozers	1	8.00	247	0.40
Phase 1A Grading	Scrapers	2	8.00	367	0.48
Phase 1A Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 1B Grading	Excavators	2	8.00	158	0.38
Phase 1B Grading	Graders	1	8.00	187	0.41
Phase 1B Grading	Rubber Tired Dozers	1	8.00	247	0.40
Phase 1B Grading	Scrapers	2	8.00	367	0.48
Phase 1B Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 2 Grading	Excavators	2	8.00	158	0.38
Phase 2 Grading	Graders	1	8.00	187	0.41
Phase 2 Grading	Rubber Tired Dozers	1	8.00	247	0.40
Phase 2 Grading	Scrapers	2	8.00	367	0.48
Phase 2 Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 1A Building Construction	Cranes	1	7.00	231	0.29
Phase 1A Building Construction	Forklifts	3	8.00	89	0.20

Phase 1A Building Construction	Generator Sets	1	8.00	84	0.74
Phase 1A Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1A Building Construction	Welders	1	8.00	46	0.45
Phase 1B Building Construction	Cranes	1	7.00	231	0.29
Phase 1B Building Construction	Forklifts	3	8.00	89	0.20
Phase 1B Building Construction	Generator Sets	1	8.00	84	0.74
Phase 1B Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1B Building Construction	Welders	1	8.00	46	0.45
Phase 2 Building Construction	Cranes	1	7.00	231	0.29
Phase 2 Building Construction	Forklifts	3	8.00	89	0.20
Phase 2 Building Construction	Generator Sets	1	8.00	84	0.74
Phase 2 Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 2 Building Construction	Welders	1	8.00	46	0.45
Phase 1A Paving	Pavers	2	8.00	130	0.42
Phase 1A Paving	Paving Equipment	2	8.00	132	0.36
Phase 1A Paving	Rollers	2	8.00	80	0.38
Phase 1B Paving	Pavers	2	8.00	130	0.42
Phase 1B Paving	Paving Equipment	2	8.00	132	0.36
Phase 1B Paving	Rollers	2	8.00	80	0.38
Phase 2 Paving	Pavers	2	8.00	130	0.42
Phase 2 Paving	Paving Equipment	2	8.00	132	0.36
Phase 2 Paving	Rollers	2	8.00	80	0.38
Phase 1A Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase 1B Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase 2 Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Phase 1B Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1A Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1B Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1A Building Construction	9	196.00	88.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1B Building Construction	9	196.00	88.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Building Construction	9	196.00	88.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1A Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1B Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1A Architectural Coating	1	39.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1B Architectural Coating	1	39.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Architectural Coating	1	39.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2710	0.0000	0.2710	0.1490	0.0000	0.1490	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0612	0.6363	0.3227	5.7000e-004		0.0330	0.0330		0.0303	0.0303	0.0000	50.1460	50.1460	0.0162	0.0000	50.5515
Total	0.0612	0.6363	0.3227	5.7000e-004	0.2710	0.0330	0.3040	0.1490	0.0303	0.1793	0.0000	50.1460	50.1460	0.0162	0.0000	50.5515

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2500e-003	1.0100e-003	0.0111	3.0000e-005	2.9600e-003	3.0000e-005	2.9800e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.7577	2.7577	9.0000e-005	0.0000	2.7598
Total	1.2500e-003	1.0100e-003	0.0111	3.0000e-005	2.9600e-003	3.0000e-005	2.9800e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.7577	2.7577	9.0000e-005	0.0000	2.7598

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1057	0.0000	0.1057	0.0581	0.0000	0.0581	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0140	0.2860	0.3444	5.7000e-004		0.0142	0.0142		0.0142	0.0142	0.0000	50.1460	50.1460	0.0162	0.0000	50.5514
Total	0.0140	0.2860	0.3444	5.7000e-004	0.1057	0.0142	0.1199	0.0581	0.0142	0.0723	0.0000	50.1460	50.1460	0.0162	0.0000	50.5514

Mitigated Construction Off-Site

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2500e-003	1.0100e-003	0.0111	3.0000e-005	2.9600e-003	3.0000e-005	2.9800e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.7577	2.7577	9.0000e-005	0.0000	2.7598
Total	1.2500e-003	1.0100e-003	0.0111	3.0000e-005	2.9600e-003	3.0000e-005	2.9800e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.7577	2.7577	9.0000e-005	0.0000	2.7598

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1057	0.0000	0.1057	0.0581	0.0000	0.0581	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0140	0.2860	0.3444	5.7000e-004		0.0142	0.0142		0.0142	0.0142	0.0000	50.1460	50.1460	0.0162	0.0000	50.5514
Total	0.0140	0.2860	0.3444	5.7000e-004	0.1057	0.0142	0.1199	0.0581	0.0142	0.0723	0.0000	50.1460	50.1460	0.0162	0.0000	50.5514

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2500e-003	1.0100e-003	0.0111	3.0000e-005	2.9600e-003	3.0000e-005	2.9800e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.7577	2.7577	9.0000e-005	0.0000	2.7598
Total	1.2500e-003	1.0100e-003	0.0111	3.0000e-005	2.9600e-003	3.0000e-005	2.9800e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.7577	2.7577	9.0000e-005	0.0000	2.7598

3.4 Phase 1A Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2645	0.0000	0.2645	0.1097	0.0000	0.1097	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1357	1.5310	0.9747	1.8900e-003		0.0663	0.0663		0.0610	0.0610	0.0000	166.1771	166.1771	0.0538	0.0000	167.5207
Total	0.1357	1.5310	0.9747	1.8900e-003	0.2645	0.0663	0.3308	0.1097	0.0610	0.1707	0.0000	166.1771	166.1771	0.0538	0.0000	167.5207

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8200e-003	2.2700e-003	0.0251	7.0000e-005	6.6800e-003	6.0000e-005	6.7400e-003	1.7800e-003	5.0000e-005	1.8300e-003	0.0000	6.2302	6.2302	2.0000e-004	0.0000	6.2352
Total	2.8200e-003	2.2700e-003	0.0251	7.0000e-005	6.6800e-003	6.0000e-005	6.7400e-003	1.7800e-003	5.0000e-005	1.8300e-003	0.0000	6.2302	6.2302	2.0000e-004	0.0000	6.2352

Mitigated Construction On-Site

Off-Road	0.1357	1.5310	0.9747	1.8900e-003		0.0663	0.0663		0.0610	0.0610	0.0000	166.1771	166.1771	0.0538	0.0000	167.5207
Total	0.1357	1.5310	0.9747	1.8900e-003	0.2645	0.0663	0.3308	0.1097	0.0610	0.1707	0.0000	166.1771	166.1771	0.0538	0.0000	167.5207

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8200e-003	2.2700e-003	0.0251	7.0000e-005	6.6800e-003	6.0000e-005	6.7400e-003	1.7800e-003	5.0000e-005	1.8300e-003	0.0000	6.2302	6.2302	2.0000e-004	0.0000	6.2352
Total	2.8200e-003	2.2700e-003	0.0251	7.0000e-005	6.6800e-003	6.0000e-005	6.7400e-003	1.7800e-003	5.0000e-005	1.8300e-003	0.0000	6.2302	6.2302	2.0000e-004	0.0000	6.2352

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1032	0.0000	0.1032	0.0428	0.0000	0.0428	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0465	0.9143	1.1200	1.8900e-003		0.0396	0.0396		0.0396	0.0396	0.0000	166.1769	166.1769	0.0537	0.0000	167.5205
Total	0.0465	0.9143	1.1200	1.8900e-003	0.1032	0.0396	0.1428	0.0428	0.0396	0.0824	0.0000	166.1769	166.1769	0.0537	0.0000	167.5205

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8200e-003	2.2700e-003	0.0251	7.0000e-005	6.6800e-003	6.0000e-005	6.7400e-003	1.7800e-003	5.0000e-005	1.8300e-003	0.0000	6.2302	6.2302	2.0000e-004	0.0000	6.2352
Total	2.8200e-003	2.2700e-003	0.0251	7.0000e-005	6.6800e-003	6.0000e-005	6.7400e-003	1.7800e-003	5.0000e-005	1.8300e-003	0.0000	6.2302	6.2302	2.0000e-004	0.0000	6.2352

3.6 Phase 1A Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1802	1.6308	1.4321	2.2900e-003		0.0950	0.0950		0.0893	0.0893	0.0000	196.8685	196.8685	0.0480	0.0000	198.0692
Total	0.1802	1.6308	1.4321	2.2900e-003		0.0950	0.0950		0.0893	0.0893	0.0000	196.8685	196.8685	0.0480	0.0000	198.0692

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0271	0.8106	0.2194	1.9200e-003	0.0471	3.7700e-003	0.0509	0.0136	3.6100e-003	0.0172	0.0000	185.8228	185.8228	0.0118	0.0000	186.1180
Worker	0.0769	0.0620	0.6858	1.8800e-003	0.1826	1.5600e-003	0.1841	0.0485	1.4300e-003	0.0499	0.0000	170.1570	170.1570	5.3600e-003	0.0000	170.2911
Total	0.1040	0.8726	0.9052	3.8000e-003	0.2297	5.3300e-003	0.2350	0.0621	5.0400e-003	0.0671	0.0000	355.9798	355.9798	0.0172	0.0000	356.4091

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0774	1.1991	1.5422	2.2900e-003		0.0755	0.0755		0.0755	0.0755	0.0000	196.8683	196.8683	0.0480	0.0000	198.0690
Total	0.0774	1.1991	1.5422	2.2900e-003		0.0755	0.0755		0.0755	0.0755	0.0000	196.8683	196.8683	0.0480	0.0000	198.0690

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0271	0.8106	0.2194	1.9200e-003	0.0471	3.7700e-003	0.0509	0.0136	3.6100e-003	0.0172	0.0000	185.8228	185.8228	0.0118	0.0000	186.1180

Worker	0.0769	0.0620	0.6858	1.8800e-003	0.1826	1.5600e-003	0.1841	0.0485	1.4300e-003	0.0499	0.0000	170.1570	170.1570	5.3600e-003	0.0000	170.2911
Total	0.1040	0.8726	0.9052	3.8000e-003	0.2297	5.3300e-003	0.2350	0.0621	5.0400e-003	0.0671	0.0000	355.9798	355.9798	0.0172	0.0000	356.4091

3.6 Phase 1A Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2867	302.2867	0.0729	0.0000	304.1099
Total	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2867	302.2867	0.0729	0.0000	304.1099

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0357	1.1334	0.3073	2.9200e-003	0.0723	2.3100e-003	0.0747	0.0209	2.2100e-003	0.0231	0.0000	283.0767	283.0767	0.0174	0.0000	283.5108
Worker	0.1101	0.0857	0.9673	2.8000e-003	0.2803	2.3100e-003	0.2826	0.0744	2.1300e-003	0.0766	0.0000	252.9452	252.9452	7.4400e-003	0.0000	253.1313
Total	0.1457	1.2190	1.2745	5.7200e-003	0.3526	4.6200e-003	0.3572	0.0953	4.3400e-003	0.0997	0.0000	536.0219	536.0219	0.0248	0.0000	536.6420

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1136	1.8328	2.3615	3.5100e-003		0.1142	0.1142		0.1142	0.1142	0.0000	302.2863	302.2863	0.0729	0.0000	304.1095
Total	0.1136	1.8328	2.3615	3.5100e-003		0.1142	0.1142		0.1142	0.1142	0.0000	302.2863	302.2863	0.0729	0.0000	304.1095

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0357	1.1334	0.3073	2.9200e-003	0.0723	2.3100e-003	0.0747	0.0209	2.2100e-003	0.0231	0.0000	283.0767	283.0767	0.0174	0.0000	283.5108
Worker	0.1101	0.0857	0.9673	2.8000e-003	0.2803	2.3100e-003	0.2826	0.0744	2.1300e-003	0.0766	0.0000	252.9452	252.9452	7.4400e-003	0.0000	253.1313
Total	0.1457	1.2190	1.2745	5.7200e-003	0.3526	4.6200e-003	0.3572	0.0953	4.3400e-003	0.0997	0.0000	536.0219	536.0219	0.0248	0.0000	536.6420

3.6 Phase 1A Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Off-Road	0.1382	1.2649	1.3254	2.1800e-003		0.0655	0.0655		0.0617	0.0617	0.0000	187.6975	187.6975	0.0450	0.0000	188.8216
Total	0.1382	1.2649	1.3254	2.1800e-003		0.0655	0.0655		0.0617	0.0617	0.0000	187.6975	187.6975	0.0450	0.0000	188.8216

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0208	0.6683	0.1805	1.7900e-003	0.0449	1.2500e-003	0.0462	0.0130	1.2000e-003	0.0142	0.0000	174.1595	174.1595	0.0104	0.0000	174.4196
Worker	0.0641	0.0480	0.5532	1.6800e-003	0.1740	1.3900e-003	0.1754	0.0462	1.2800e-003	0.0475	0.0000	151.4816	151.4816	4.1700e-003	0.0000	151.5859
Total	0.0848	0.7164	0.7336	3.4700e-003	0.2189	2.6400e-003	0.2215	0.0592	2.4800e-003	0.0617	0.0000	325.6411	325.6411	0.0146	0.0000	326.0055

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0684	1.1339	1.4639	2.1800e-003		0.0701	0.0701		0.0701	0.0701	0.0000	187.6972	187.6972	0.0450	0.0000	188.8214
Total	0.0684	1.1339	1.4639	2.1800e-003		0.0701	0.0701		0.0701	0.0701	0.0000	187.6972	187.6972	0.0450	0.0000	188.8214

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0208	0.6683	0.1805	1.7900e-003	0.0449	1.2500e-003	0.0462	0.0130	1.2000e-003	0.0142	0.0000	174.1595	174.1595	0.0104	0.0000	174.4196
Worker	0.0641	0.0480	0.5532	1.6800e-003	0.1740	1.3900e-003	0.1754	0.0462	1.2800e-003	0.0475	0.0000	151.4816	151.4816	4.1700e-003	0.0000	151.5859
Total	0.0848	0.7164	0.7336	3.4700e-003	0.2189	2.6400e-003	0.2215	0.0592	2.4800e-003	0.0617	0.0000	325.6411	325.6411	0.0146	0.0000	326.0055

3.7 Phase 1B Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1802	1.6308	1.4321	2.2900e-003		0.0950	0.0950		0.0893	0.0893	0.0000	196.8685	196.8685	0.0480	0.0000	198.0692
Total	0.1802	1.6308	1.4321	2.2900e-003		0.0950	0.0950		0.0893	0.0893	0.0000	196.8685	196.8685	0.0480	0.0000	198.0692

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0271	0.8106	0.2194	1.9200e-003	0.0471	3.7700e-003	0.0509	0.0136	3.6100e-003	0.0172	0.0000	185.8228	185.8228	0.0118	0.0000	186.1180
Worker	0.0769	0.0620	0.6858	1.8800e-003	0.1826	1.5600e-003	0.1841	0.0485	1.4300e-003	0.0499	0.0000	170.1570	170.1570	5.3600e-003	0.0000	170.2911
Total	0.1040	0.8726	0.9052	3.8000e-003	0.2297	5.3300e-003	0.2350	0.0621	5.0400e-003	0.0671	0.0000	355.9798	355.9798	0.0172	0.0000	356.4091

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0774	1.1991	1.5422	2.2900e-003		0.0755	0.0755		0.0755	0.0755	0.0000	196.8683	196.8683	0.0480	0.0000	198.0690
Total	0.0774	1.1991	1.5422	2.2900e-003		0.0755	0.0755		0.0755	0.0755	0.0000	196.8683	196.8683	0.0480	0.0000	198.0690

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0271	0.8106	0.2194	1.9200e-003	0.0471	3.7700e-003	0.0509	0.0136	3.6100e-003	0.0172	0.0000	185.8228	185.8228	0.0118	0.0000	186.1180
Worker	0.0769	0.0620	0.6858	1.8800e-003	0.1826	1.5600e-003	0.1841	0.0485	1.4300e-003	0.0499	0.0000	170.1570	170.1570	5.3600e-003	0.0000	170.2911
Total	0.1040	0.8726	0.9052	3.8000e-003	0.2297	5.3300e-003	0.2350	0.0621	5.0400e-003	0.0671	0.0000	355.9798	355.9798	0.0172	0.0000	356.4091

3.7 Phase 1B Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2867	302.2867	0.0729	0.0000	304.1099
Total	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2867	302.2867	0.0729	0.0000	304.1099

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0357	1.1334	0.3073	2.9200e-003	0.0723	2.3100e-003	0.0747	0.0209	2.2100e-003	0.0231	0.0000	283.0767	283.0767	0.0174	0.0000	283.5108
Worker	0.1101	0.0857	0.9673	2.8000e-003	0.2803	2.3100e-003	0.2826	0.0744	2.1300e-003	0.0766	0.0000	252.9452	252.9452	7.4400e-003	0.0000	253.1313

Total	0.1457	1.2190	1.2745	5.7200e-003	0.3526	4.6200e-003	0.3572	0.0953	4.3400e-003	0.0997	0.0000	536.0219	536.0219	0.0248	0.0000	536.6420
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1136	1.8328	2.3615	3.5100e-003		0.1142	0.1142		0.1142	0.1142	0.0000	302.2863	302.2863	0.0729	0.0000	304.1095
Total	0.1136	1.8328	2.3615	3.5100e-003		0.1142	0.1142		0.1142	0.1142	0.0000	302.2863	302.2863	0.0729	0.0000	304.1095

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0357	1.1334	0.3073	2.9200e-003	0.0723	2.3100e-003	0.0747	0.0209	2.2100e-003	0.0231	0.0000	283.0767	283.0767	0.0174	0.0000	283.5108
Worker	0.1101	0.0857	0.9673	2.8000e-003	0.2803	2.3100e-003	0.2826	0.0744	2.1300e-003	0.0766	0.0000	252.9452	252.9452	7.4400e-003	0.0000	253.1313
Total	0.1457	1.2190	1.2745	5.7200e-003	0.3526	4.6200e-003	0.3572	0.0953	4.3400e-003	0.0997	0.0000	536.0219	536.0219	0.0248	0.0000	536.6420

3.7 Phase 1B Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1382	1.2649	1.3254	2.1800e-003		0.0655	0.0655		0.0617	0.0617	0.0000	187.6975	187.6975	0.0450	0.0000	188.8216
Total	0.1382	1.2649	1.3254	2.1800e-003		0.0655	0.0655		0.0617	0.0617	0.0000	187.6975	187.6975	0.0450	0.0000	188.8216

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0208	0.6683	0.1805	1.7900e-003	0.0449	1.2500e-003	0.0462	0.0130	1.2000e-003	0.0142	0.0000	174.1595	174.1595	0.0104	0.0000	174.4196
Worker	0.0641	0.0480	0.5532	1.6800e-003	0.1740	1.3900e-003	0.1754	0.0462	1.2800e-003	0.0475	0.0000	151.4816	151.4816	4.1700e-003	0.0000	151.5859
Total	0.0848	0.7164	0.7336	3.4700e-003	0.2189	2.6400e-003	0.2215	0.0592	2.4800e-003	0.0617	0.0000	325.6411	325.6411	0.0146	0.0000	326.0055

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.0684	1.1339	1.4639	2.1800e-003		0.0701	0.0701		0.0701	0.0701	0.0000	187.6972	187.6972	0.0450	0.0000	188.8214
Total	0.0684	1.1339	1.4639	2.1800e-003		0.0701	0.0701		0.0701	0.0701	0.0000	187.6972	187.6972	0.0450	0.0000	188.8214

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0208	0.6683	0.1805	1.7900e-003	0.0449	1.2500e-003	0.0462	0.0130	1.2000e-003	0.0142	0.0000	174.1595	174.1595	0.0104	0.0000	174.4196
Worker	0.0641	0.0480	0.5532	1.6800e-003	0.1740	1.3900e-003	0.1754	0.0462	1.2800e-003	0.0475	0.0000	151.4816	151.4816	4.1700e-003	0.0000	151.5859
Total	0.0848	0.7164	0.7336	3.4700e-003	0.2189	2.6400e-003	0.2215	0.0592	2.4800e-003	0.0617	0.0000	325.6411	325.6411	0.0146	0.0000	326.0055

3.8 Phase 2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4246	0.0000	0.4246	0.2334	0.0000	0.2334	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0745	0.7775	0.4629	8.9000e-004		0.0379	0.0379		0.0349	0.0349	0.0000	78.5826	78.5826	0.0254	0.0000	79.2180
Total	0.0745	0.7775	0.4629	8.9000e-004	0.4246	0.0379	0.4625	0.2334	0.0349	0.2682	0.0000	78.5826	78.5826	0.0254	0.0000	79.2180

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7100e-003	1.2800e-003	0.0147	4.0000e-005	4.6400e-003	4.0000e-005	4.6700e-003	1.2300e-003	3.0000e-005	1.2700e-003	0.0000	4.0361	4.0361	1.1000e-004	0.0000	4.0389
Total	1.7100e-003	1.2800e-003	0.0147	4.0000e-005	4.6400e-003	4.0000e-005	4.6700e-003	1.2300e-003	3.0000e-005	1.2700e-003	0.0000	4.0361	4.0361	1.1000e-004	0.0000	4.0389

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1656	0.0000	0.1656	0.0910	0.0000	0.0910	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0219	0.4480	0.5396	8.9000e-004		0.0222	0.0222		0.0222	0.0222	0.0000	78.5825	78.5825	0.0254	0.0000	79.2179
Total	0.0219	0.4480	0.5396	8.9000e-004	0.1656	0.0222	0.1878	0.0910	0.0222	0.1132	0.0000	78.5825	78.5825	0.0254	0.0000	79.2179

Mitigated Construction Off-Site

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1200e-003	3.0900e-003	0.0355	1.1000e-004	0.0112	9.0000e-005	0.0113	2.9700e-003	8.0000e-005	3.0500e-003	0.0000	9.7324	9.7324	2.7000e-004	0.0000	9.7391
Total	4.1200e-003	3.0900e-003	0.0355	1.1000e-004	0.0112	9.0000e-005	0.0113	2.9700e-003	8.0000e-005	3.0500e-003	0.0000	9.7324	9.7324	2.7000e-004	0.0000	9.7391

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1725	0.0000	0.1725	0.0715	0.0000	0.0715	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0777	1.5289	1.8729	3.1700e-003		0.0663	0.0663		0.0663	0.0663	0.0000	278.1261	278.1261	0.0900	0.0000	280.3749
Total	0.0777	1.5289	1.8729	3.1700e-003	0.1725	0.0663	0.2388	0.0715	0.0663	0.1378	0.0000	278.1261	278.1261	0.0900	0.0000	280.3749

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1200e-003	3.0900e-003	0.0355	1.1000e-004	0.0112	9.0000e-005	0.0113	2.9700e-003	8.0000e-005	3.0500e-003	0.0000	9.7324	9.7324	2.7000e-004	0.0000	9.7391
Total	4.1200e-003	3.0900e-003	0.0355	1.1000e-004	0.0112	9.0000e-005	0.0113	2.9700e-003	8.0000e-005	3.0500e-003	0.0000	9.7324	9.7324	2.7000e-004	0.0000	9.7391

3.10 Phase 2 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0938	0.8589	0.9000	1.4800e-003		0.0445	0.0445		0.0419	0.0419	0.0000	127.4489	127.4489	0.0305	0.0000	128.2122
Total	0.0938	0.8589	0.9000	1.4800e-003		0.0445	0.0445		0.0419	0.0419	0.0000	127.4489	127.4489	0.0305	0.0000	128.2122

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0141	0.4538	0.1225	1.2200e-003	0.0305	8.5000e-004	0.0313	8.8000e-003	8.1000e-004	9.6100e-003	0.0000	118.2565	118.2565	7.0600e-003	0.0000	118.4330
Worker	0.0435	0.0326	0.3756	1.1400e-003	0.1181	9.4000e-004	0.1191	0.0314	8.7000e-004	0.0322	0.0000	102.8579	102.8579	2.8300e-003	0.0000	102.9287
Total	0.0576	0.4864	0.4981	2.3600e-003	0.1486	1.7900e-003	0.1504	0.0402	1.6800e-003	0.0419	0.0000	221.1144	221.1144	9.8900e-003	0.0000	221.3617

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0465	0.7699	0.9940	1.4800e-003		0.0476	0.0476		0.0476	0.0476	0.0000	127.4487	127.4487	0.0305	0.0000	128.2121
Total	0.0465	0.7699	0.9940	1.4800e-003		0.0476	0.0476		0.0476	0.0476	0.0000	127.4487	127.4487	0.0305	0.0000	128.2121

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0141	0.4538	0.1225	1.2200e-003	0.0305	8.5000e-004	0.0313	8.8000e-003	8.1000e-004	9.6100e-003	0.0000	118.2565	118.2565	7.0600e-003	0.0000	118.4330
Worker	0.0435	0.0326	0.3756	1.1400e-003	0.1181	9.4000e-004	0.1191	0.0314	8.7000e-004	0.0322	0.0000	102.8579	102.8579	2.8300e-003	0.0000	102.9287
Total	0.0576	0.4864	0.4981	2.3600e-003	0.1486	1.7900e-003	0.1504	0.0402	1.6800e-003	0.0419	0.0000	221.1144	221.1144	9.8900e-003	0.0000	221.3617

3.10 Phase 2 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383

Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0248	0.8104	0.2598	2.7900e-003	0.0721	9.5000e-004	0.0730	0.0208	9.0000e-004	0.0217	0.0000	270.7647	270.7647	0.0148	0.0000	271.1336
Worker	0.0967	0.0697	0.8164	2.5900e-003	0.2792	2.1700e-003	0.2814	0.0742	1.9900e-003	0.0762	0.0000	234.2222	234.2222	6.0300e-003	0.0000	234.3730
Total	0.1214	0.8801	1.0762	5.3800e-003	0.3513	3.1200e-003	0.3544	0.0950	2.8900e-003	0.0979	0.0000	504.9869	504.9869	0.0208	0.0000	505.5065

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1069	1.8143	2.3471	3.5000e-003		0.1113	0.1113		0.1113	0.1113	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	0.1069	1.8143	2.3471	3.5000e-003		0.1113	0.1113		0.1113	0.1113	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.8104	0.2598	2.7900e-003	0.0721	9.5000e-004	0.0730	0.0208	9.0000e-004	0.0217	0.0000	270.7647	270.7647	0.0148	0.0000	271.1336
Worker	0.0967	0.0697	0.8164	2.5900e-003	0.2792	2.1700e-003	0.2814	0.0742	1.9900e-003	0.0762	0.0000	234.2222	234.2222	6.0300e-003	0.0000	234.3730
Total	0.1214	0.8801	1.0762	5.3800e-003	0.3513	3.1200e-003	0.3544	0.0950	2.8900e-003	0.0979	0.0000	504.9869	504.9869	0.0208	0.0000	505.5065

3.10 Phase 2 Building Construction - 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	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0243	0.8136	0.2538	2.7900e-003	0.0726	9.4000e-004	0.0736	0.0210	9.0000e-004	0.0219	0.0000	271.7605	271.7605	0.0147	0.0000	272.1267
Worker	0.0923	0.0641	0.7661	2.5300e-003	0.2814	2.1500e-003	0.2835	0.0747	1.9800e-003	0.0767	0.0000	228.7058	228.7058	5.5700e-003	0.0000	228.8450
Total	0.1166	0.8777	1.0199	5.3200e-003	0.3540	3.0900e-003	0.3571	0.0957	2.8800e-003	0.0986	0.0000	500.4663	500.4663	0.0202	0.0000	500.9717

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1053	1.8231	2.3633	3.5300e-003		0.1112	0.1112		0.1112	0.1112	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.1053	1.8231	2.3633	3.5300e-003		0.1112	0.1112		0.1112	0.1112	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0243	0.8136	0.2538	2.7900e-003	0.0726	9.4000e-004	0.0736	0.0210	9.0000e-004	0.0219	0.0000	271.7605	271.7605	0.0147	0.0000	272.1267

Worker	0.0923	0.0641	0.7661	2.5300e-003	0.2814	2.1500e-003	0.2835	0.0747	1.9800e-003	0.0767	0.0000	228.7058	228.7058	5.5700e-003	0.0000	228.8450
Total	0.1166	0.8777	1.0199	5.3200e-003	0.3540	3.0900e-003	0.3571	0.0957	2.8800e-003	0.0986	0.0000	500.4663	500.4663	0.0202	0.0000	500.9717

3.10 Phase 2 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0236	0.8035	0.2463	2.7700e-003	0.0723	9.2000e-004	0.0733	0.0209	8.8000e-004	0.0218	0.0000	269.2481	269.2481	0.0144	0.0000	269.6076
Worker	0.0874	0.0584	0.7083	2.4200e-003	0.2803	2.1000e-003	0.2824	0.0744	1.9300e-003	0.0764	0.0000	219.0109	219.0109	5.0600e-003	0.0000	219.1373
Total	0.1110	0.8619	0.9546	5.1900e-003	0.3526	3.0200e-003	0.3556	0.0953	2.8100e-003	0.0981	0.0000	488.2590	488.2590	0.0194	0.0000	488.7450

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1028	1.8111	2.3527	3.5200e-003		0.1099	0.1099		0.1099	0.1099	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1028	1.8111	2.3527	3.5200e-003		0.1099	0.1099		0.1099	0.1099	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0236	0.8035	0.2463	2.7700e-003	0.0723	9.2000e-004	0.0733	0.0209	8.8000e-004	0.0218	0.0000	269.2481	269.2481	0.0144	0.0000	269.6076
Worker	0.0874	0.0584	0.7083	2.4200e-003	0.2803	2.1000e-003	0.2824	0.0744	1.9300e-003	0.0764	0.0000	219.0109	219.0109	5.0600e-003	0.0000	219.1373
Total	0.1110	0.8619	0.9546	5.1900e-003	0.3526	3.0200e-003	0.3556	0.0953	2.8100e-003	0.0981	0.0000	488.2590	488.2590	0.0194	0.0000	488.7450

3.10 Phase 2 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr									MT/yr						
Off-Road	0.0684	0.6235	0.8042	1.3500e-003		0.0264	0.0264		0.0248	0.0248	0.0000	115.9597	115.9597	0.0273	0.0000	116.6412
Total	0.0684	0.6235	0.8042	1.3500e-003		0.0264	0.0264		0.0248	0.0248	0.0000	115.9597	115.9597	0.0273	0.0000	116.6412

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.8500e-003	0.3049	0.0925	1.0500e-003	0.0277	3.5000e-004	0.0281	8.0000e-003	3.3000e-004	8.3300e-003	0.0000	102.6177	102.6177	5.4300e-003	0.0000	102.7534
Worker	0.0320	0.0206	0.2536	9.0000e-004	0.1074	7.8000e-004	0.1082	0.0285	7.1000e-004	0.0292	0.0000	80.9977	80.9977	1.7800e-003	0.0000	81.0421
Total	0.0409	0.3256	0.3460	1.9500e-003	0.1351	1.1300e-003	0.1362	0.0365	1.0400e-003	0.0376	0.0000	183.6153	183.6153	7.2100e-003	0.0000	183.7955

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0394	0.6939	0.9014	1.3500e-003		0.0421	0.0421		0.0421	0.0421	0.0000	115.9596	115.9596	0.0273	0.0000	116.6411
Total	0.0394	0.6939	0.9014	1.3500e-003		0.0421	0.0421		0.0421	0.0421	0.0000	115.9596	115.9596	0.0273	0.0000	116.6411

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.8500e-003	0.3049	0.0925	1.0500e-003	0.0277	3.5000e-004	0.0281	8.0000e-003	3.3000e-004	8.3300e-003	0.0000	102.6177	102.6177	5.4300e-003	0.0000	102.7534
Worker	0.0320	0.0206	0.2536	9.0000e-004	0.1074	7.8000e-004	0.1082	0.0285	7.1000e-004	0.0292	0.0000	80.9977	80.9977	1.7800e-003	0.0000	81.0421
Total	0.0409	0.3256	0.3460	1.9500e-003	0.1351	1.1300e-003	0.1362	0.0365	1.0400e-003	0.0376	0.0000	183.6153	183.6153	7.2100e-003	0.0000	183.7955

3.11 Phase 1A Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0259	0.2614	0.3426	5.4000e-004		0.0134	0.0134		0.0123	0.0123	0.0000	47.0648	47.0648	0.0152	0.0000	47.4453
Paving	1.0500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0270	0.2614	0.3426	5.4000e-004		0.0134	0.0134		0.0123	0.0123	0.0000	47.0648	47.0648	0.0152	0.0000	47.4453

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4200e-003	1.0700e-003	0.0123	4.0000e-005	3.8600e-003	3.0000e-005	3.8900e-003	1.0300e-003	3.0000e-005	1.0500e-003	0.0000	3.3634	3.3634	9.0000e-005	0.0000	3.3657
Total	1.4200e-003	1.0700e-003	0.0123	4.0000e-005	3.8600e-003	3.0000e-005	3.8900e-003	1.0300e-003	3.0000e-005	1.0500e-003	0.0000	3.3634	3.3634	9.0000e-005	0.0000	3.3657

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0132	0.2654	0.4065	5.4000e-004		0.0143	0.0143		0.0143	0.0143	0.0000	47.0647	47.0647	0.0152	0.0000	47.4453
Paving	1.0500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0142	0.2654	0.4065	5.4000e-004		0.0143	0.0143		0.0143	0.0143	0.0000	47.0647	47.0647	0.0152	0.0000	47.4453

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4200e-003	1.0700e-003	0.0123	4.0000e-005	3.8600e-003	3.0000e-005	3.8900e-003	1.0300e-003	3.0000e-005	1.0500e-003	0.0000	3.3634	3.3634	9.0000e-005	0.0000	3.3657
Total	1.4200e-003	1.0700e-003	0.0123	4.0000e-005	3.8600e-003	3.0000e-005	3.8900e-003	1.0300e-003	3.0000e-005	1.0500e-003	0.0000	3.3634	3.3634	9.0000e-005	0.0000	3.3657

3.12 Phase 1B Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0259	0.2614	0.3426	5.4000e-004		0.0134	0.0134		0.0123	0.0123	0.0000	47.0648	47.0648	0.0152	0.0000	47.4453
Paving	1.0500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0270	0.2614	0.3426	5.4000e-004		0.0134	0.0134		0.0123	0.0123	0.0000	47.0648	47.0648	0.0152	0.0000	47.4453

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4200e-003	1.0700e-003	0.0123	4.0000e-005	3.8600e-003	3.0000e-005	3.8900e-003	1.0300e-003	3.0000e-005	1.0500e-003	0.0000	3.3634	3.3634	9.0000e-005	0.0000	3.3657

Total	1.4200e-003	1.0700e-003	0.0123	4.0000e-005	3.8600e-003	3.0000e-005	3.8900e-003	1.0300e-003	3.0000e-005	1.0500e-003	0.0000	3.3634	3.3634	9.0000e-005	0.0000	3.3657
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0132	0.2654	0.4065	5.4000e-004		0.0143	0.0143		0.0143	0.0143	0.0000	47.0647	47.0647	0.0152	0.0000	47.4453
Paving	1.0500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0142	0.2654	0.4065	5.4000e-004		0.0143	0.0143		0.0143	0.0143	0.0000	47.0647	47.0647	0.0152	0.0000	47.4453

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4200e-003	1.0700e-003	0.0123	4.0000e-005	3.8600e-003	3.0000e-005	3.8900e-003	1.0300e-003	3.0000e-005	1.0500e-003	0.0000	3.3634	3.3634	9.0000e-005	0.0000	3.3657
Total	1.4200e-003	1.0700e-003	0.0123	4.0000e-005	3.8600e-003	3.0000e-005	3.8900e-003	1.0300e-003	3.0000e-005	1.0500e-003	0.0000	3.3634	3.3634	9.0000e-005	0.0000	3.3657

3.13 Phase 1A Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3841					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8100e-003	0.0331	0.0426	7.0000e-005		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003	0.0000	6.0002	6.0002	3.9000e-004	0.0000	6.0099
Total	0.3889	0.0331	0.0426	7.0000e-005		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003	0.0000	6.0002	6.0002	3.9000e-004	0.0000	6.0099

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-003	2.7700e-003	0.0319	1.0000e-004	0.0100	8.0000e-005	0.0101	2.6700e-003	7.0000e-005	2.7400e-003	0.0000	8.7448	8.7448	2.4000e-004	0.0000	8.7509
Total	3.7000e-003	2.7700e-003	0.0319	1.0000e-004	0.0100	8.0000e-005	0.0101	2.6700e-003	7.0000e-005	2.7400e-003	0.0000	8.7448	8.7448	2.4000e-004	0.0000	8.7509

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3841					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4000e-003	0.0319	0.0431	7.0000e-005		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	6.0001	6.0001	3.9000e-004	0.0000	6.0099
Total	0.3855	0.0319	0.0431	7.0000e-005		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	6.0001	6.0001	3.9000e-004	0.0000	6.0099

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-003	2.7700e-003	0.0319	1.0000e-004	0.0100	8.0000e-005	0.0101	2.6700e-003	7.0000e-005	2.7400e-003	0.0000	8.7448	8.7448	2.4000e-004	0.0000	8.7509
Total	3.7000e-003	2.7700e-003	0.0319	1.0000e-004	0.0100	8.0000e-005	0.0101	2.6700e-003	7.0000e-005	2.7400e-003	0.0000	8.7448	8.7448	2.4000e-004	0.0000	8.7509

3.14 Phase 1B Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4450					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8100e-003	0.0331	0.0426	7.0000e-005		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003	0.0000	6.0002	6.0002	3.9000e-004	0.0000	6.0099
Total	0.4498	0.0331	0.0426	7.0000e-005		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003	0.0000	6.0002	6.0002	3.9000e-004	0.0000	6.0099

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-003	2.7700e-003	0.0319	1.0000e-004	0.0100	8.0000e-005	0.0101	2.6700e-003	7.0000e-005	2.7400e-003	0.0000	8.7448	8.7448	2.4000e-004	0.0000	8.7509
Total	3.7000e-003	2.7700e-003	0.0319	1.0000e-004	0.0100	8.0000e-005	0.0101	2.6700e-003	7.0000e-005	2.7400e-003	0.0000	8.7448	8.7448	2.4000e-004	0.0000	8.7509

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4450					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4000e-003	0.0319	0.0431	7.0000e-005		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	6.0001	6.0001	3.9000e-004	0.0000	6.0099
Total	0.4464	0.0319	0.0431	7.0000e-005		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	6.0001	6.0001	3.9000e-004	0.0000	6.0099

Mitigated Construction Off-Site

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9300e-003	1.2500e-003	0.0153	5.0000e-005	6.4900e-003	5.0000e-005	6.5400e-003	1.7200e-003	4.0000e-005	1.7700e-003	0.0000	4.8971	4.8971	1.1000e-004	0.0000	4.8997
Total	1.9300e-003	1.2500e-003	0.0153	5.0000e-005	6.4900e-003	5.0000e-005	6.5400e-003	1.7200e-003	4.0000e-005	1.7700e-003	0.0000	4.8971	4.8971	1.1000e-004	0.0000	4.8997

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0222	0.4462	0.6832	9.0000e-004		0.0241	0.0241		0.0241	0.0241	0.0000	79.0760	79.0760	0.0256	0.0000	79.7153
Paving	1.0500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0232	0.4462	0.6832	9.0000e-004		0.0241	0.0241		0.0241	0.0241	0.0000	79.0760	79.0760	0.0256	0.0000	79.7153

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9300e-003	1.2500e-003	0.0153	5.0000e-005	6.4900e-003	5.0000e-005	6.5400e-003	1.7200e-003	4.0000e-005	1.7700e-003	0.0000	4.8971	4.8971	1.1000e-004	0.0000	4.8997
Total	1.9300e-003	1.2500e-003	0.0153	5.0000e-005	6.4900e-003	5.0000e-005	6.5400e-003	1.7200e-003	4.0000e-005	1.7700e-003	0.0000	4.8971	4.8971	1.1000e-004	0.0000	4.8997

3.16 Phase 2 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7500e-003	0.0453	0.0715	1.2000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	10.0854	10.0854	5.5000e-004	0.0000	10.0991
Total	0.6186	0.0453	0.0715	1.2000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	10.0854	10.0854	5.5000e-004	0.0000	10.0991

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0300e-003	3.2400e-003	0.0399	1.4000e-004	0.0169	1.2000e-004	0.0170	4.4800e-003	1.1000e-004	4.6000e-003	0.0000	12.7323	12.7323	2.8000e-004	0.0000	12.7393
Total	5.0300e-003	3.2400e-003	0.0399	1.4000e-004	0.0169	1.2000e-004	0.0170	4.4800e-003	1.1000e-004	4.6000e-003	0.0000	12.7323	12.7323	2.8000e-004	0.0000	12.7393

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3500e-003	0.0536	0.0724	1.2000e-004		3.7600e-003	3.7600e-003		3.7600e-003	3.7600e-003	0.0000	10.0853	10.0853	5.5000e-004	0.0000	10.0991
Total	0.6142	0.0536	0.0724	1.2000e-004		3.7600e-003	3.7600e-003		3.7600e-003	3.7600e-003	0.0000	10.0853	10.0853	5.5000e-004	0.0000	10.0991

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0300e-003	3.2400e-003	0.0399	1.4000e-004	0.0169	1.2000e-004	0.0170	4.4800e-003	1.1000e-004	4.6000e-003	0.0000	12.7323	12.7323	2.8000e-004	0.0000	12.7393
Total	5.0300e-003	3.2400e-003	0.0399	1.4000e-004	0.0169	1.2000e-004	0.0170	4.4800e-003	1.1000e-004	4.6000e-003	0.0000	12.7323	12.7323	2.8000e-004	0.0000	12.7393

4.0 Operational Detail - Mobile

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	1.2064	5.8473	16.1500	0.0676	6.2465	0.0509	6.2974	1.6739	0.0472	1.7211	0.0000	6,265.8390	6,265.8390	0.2847	0.0000	6,272.9562
Unmitigated	1.2064	5.8473	16.1500	0.0676	6.2465	0.0509	6.2974	1.6739	0.0472	1.7211	0.0000	6,265.8390	6,265.8390	0.2847	0.0000	6,272.9562

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hospital	2,826.57	2,176.59	1905.05	10,087,805	10,087,805
Medical Office Building	3,251.70	806.40	139.50	6,375,111	6,375,111
Parking Lot	0.00	0.00	0.00		
Total	6,078.27	2,982.99	2,044.55	16,462,916	16,462,916

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	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
Enclosed Parking with Elevator	0.544210	0.044379	0.208611	0.117175	0.014456	0.006301	0.020907	0.032661	0.002589	0.001903	0.005267	0.000705	0.000834
Hospital	0.544210	0.044379	0.208611	0.117175	0.014456	0.006301	0.020907	0.032661	0.002589	0.001903	0.005267	0.000705	0.000834
Medical Office Building	0.544210	0.044379	0.208611	0.117175	0.014456	0.006301	0.020907	0.032661	0.002589	0.001903	0.005267	0.000705	0.000834
Parking Lot	0.544210	0.044379	0.208611	0.117175	0.014456	0.006301	0.020907	0.032661	0.002589	0.001903	0.005267	0.000705	0.000834

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										Mt/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,304.4276	2,304.4276	0.0951	0.0197	2,312.6718
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,304.4276	2,304.4276	0.0951	0.0197	2,312.6718
NaturalGas Mitigated	0.0797	0.7247	0.6087	4.3500e-003		0.0551	0.0551		0.0551	0.0551	0.0000	788.8898	788.8898	0.0151	0.0145	793.5777
NaturalGas Unmitigated	0.0797	0.7247	0.6087	4.3500e-003		0.0551	0.0551		0.0551	0.0551	0.0000	788.8898	788.8898	0.0151	0.0145	793.5777

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	1.38463e+007	0.0747	0.6787	0.5701	4.0700e-003		0.0516	0.0516		0.0516	0.0516	0.0000	738.8932	738.8932	0.0142	0.0136	743.2841
Medical Office Building	936900	5.0500e-003	0.0459	0.0386	2.8000e-004		3.4900e-003	3.4900e-003		3.4900e-003	3.4900e-003	0.0000	49.9966	49.9966	9.6000e-004	9.2000e-004	50.2937
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0797	0.7247	0.6087	4.3500e-003		0.0551	0.0551		0.0551	0.0551	0.0000	788.8898	788.8898	0.0151	0.0145	793.5777

Mitigated

	Natural Gas 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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	1.38463e+007	0.0747	0.6787	0.5701	4.0700e-003		0.0516	0.0516		0.0516	0.0516	0.0000	738.8932	738.8932	0.0142	0.0136	743.2841
Medical Office Building	936900	5.0500e-003	0.0459	0.0386	2.8000e-004		3.4900e-003	3.4900e-003		3.4900e-003	3.4900e-003	0.0000	49.9966	49.9966	9.6000e-004	9.2000e-004	50.2937
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0797	0.7247	0.6087	4.3500e-003		0.0551	0.0551		0.0551	0.0551	0.0000	788.8898	788.8898	0.0151	0.0145	793.5777

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.172e+006	373.4243	0.0154	3.1900e-003	374.7603
Hospital	4.87914e+006	1,554.5999	0.0642	0.0133	1,560.1615
Medical Office Building	1.1691e+006	372.5003	0.0154	3.1800e-003	373.8329
Parking Lot	12250	3.9031	1.6000e-004	3.0000e-005	3.9171
Total		2,304.4276	0.0951	0.0197	2,312.6718

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.172e+006	373.4243	0.0154	3.1900e-003	374.7603
Hospital	4.87914e+006	1,554.5999	0.0642	0.0133	1,560.1615
Medical Office Building	1.1691e+006	372.5003	0.0154	3.1800e-003	373.8329
Parking Lot	12250	3.9031	1.6000e-004	3.0000e-005	3.9171
Total		2,304.4276	0.0951	0.0197	2,312.6718

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.2581	1.0000e-004	0.0107	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0208	0.0208	5.0000e-005	0.0000	0.0222
Unmitigated	1.2581	1.0000e-004	0.0107	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0208	0.0208	5.0000e-005	0.0000	0.0222

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	0.1441					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1130					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.8000e-004	1.0000e-004	0.0107	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0208	0.0208	5.0000e-005	0.0000	0.0222
Total	1.2581	1.0000e-004	0.0107	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0208	0.0208	5.0000e-005	0.0000	0.0222

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	0.1441					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1130					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.8000e-004	1.0000e-004	0.0107	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0208	0.0208	5.0000e-005	0.0000	0.0222
Total	1.2581	1.0000e-004	0.0107	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0208	0.0208	5.0000e-005	0.0000	0.0222

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	195.9593	1.2498	0.0309	236.4131
Unmitigated	195.9593	1.2498	0.0309	236.4131

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hospital	26.829 / 5.11028	137.9087	0.8796	0.0218	166.3786
Medical Office Building	11.2932 / 2.15109	58.0505	0.3702	9.1500e-003	70.0345
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		195.9593	1.2498	0.0309	236.4131

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hospital	26.829 / 5.11028	137.9087	0.8796	0.0218	166.3786
Medical Office Building	11.2932 / 2.15109	58.0505	0.3702	9.1500e-003	70.0345
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		195.9593	1.2498	0.0309	236.4131

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	666.0438	39.3621	0.0000	1,650.0953
Unmitigated	666.0438	39.3621	0.0000	1,650.0953

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hospital	2309.15	468.7366	27.7015	0.0000	1,161.2750
Medical Office Building	972	197.3072	11.6605	0.0000	488.8203
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		666.0438	39.3621	0.0000	1,650.0953

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hospital	2309.15	468.7366	27.7015	0.0000	1,161.2750
Medical Office Building	972	197.3072	11.6605	0.0000	488.8203
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		666.0438	39.3621	0.0000	1,650.0953

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Queen of the Valley Hospital Specific Plan- Phases 1A, 1B, 2 - Los Angeles-South Coast County, Summer

**Queen of the Valley Hospital Specific Plan- Phases 1A, 1B, 2
Los Angeles-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	213.81	1000sqft	4.91	213,810.00	0
Medical Office Building	90.00	1000sqft	2.07	90,000.00	0
Enclosed Parking with Elevator	500.00	Space	4.50	200,000.00	0
Parking Lot	35.00	1000sqft	0.80	35,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Based on PD and Client-provided data
- Construction Phase - .
- Demolition -
- Grading -
- Construction Off-road Equipment Mitigation - Tier 3 equipment

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	47.00
tblConstructionPhase	NumDays	20.00	47.00
tblConstructionPhase	NumDays	20.00	79.00
tblConstructionPhase	NumDays	300.00	593.00
tblConstructionPhase	NumDays	300.00	593.00
tblConstructionPhase	NumDays	300.00	993.00
tblConstructionPhase	NumDays	30.00	61.00
tblConstructionPhase	NumDays	30.00	61.00
tblConstructionPhase	NumDays	30.00	102.00
tblConstructionPhase	NumDays	20.00	47.00
tblConstructionPhase	NumDays	20.00	47.00
tblConstructionPhase	NumDays	20.00	79.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	NumDays	10.00	47.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	12.4779	127.4288	66.9052	0.1458	54.8024	4.3982	61.3997	29.9521	4.0463	36.0216	0.0000	14,592.1232	14,592.1232	3.8997	0.0000	14,634.3381
2021	6.0172	53.1069	53.4063	0.1439	5.5084	1.9876	7.4960	1.4865	1.8686	3.3550	0.0000	14,408.6047	14,408.6047	1.6486	0.0000	14,449.8191
2022	38.7438	95.1166	107.5562	0.2618	23.7759	3.6627	27.0729	11.4705	3.4220	14.5386	0.0000	26,061.9909	26,061.9909	3.8641	0.0000	26,158.5925
2023	2.4981	21.0218	24.8600	0.0694	2.7542	0.7235	3.4778	0.7432	0.6806	1.4238	0.0000	6,952.2200	6,952.2200	0.7834	0.0000	6,971.8044
2024	2.3525	20.0157	24.2701	0.0687	2.7543	0.6368	3.3910	0.7432	0.5987	1.3420	0.0000	6,878.9889	6,878.9889	0.7737	0.0000	6,898.3318
2025	2.2084	18.9528	23.6950	0.0678	2.7543	0.5506	3.3048	0.7433	0.5177	1.2609	0.0000	6,789.1229	6,789.1229	0.7643	0.0000	6,808.2308
2026	15.7860	18.8653	23.2819	0.0670	2.7543	0.5499	3.3042	0.7433	0.5171	1.2603	0.0000	6,709.7444	6,709.7444	0.7589	0.0000	6,728.7173
Maximum	38.7438	127.4288	107.5562	0.2618	54.8024	4.3982	61.3997	29.9521	4.0463	36.0216	0.0000	26,061.9909	26,061.9909	3.8997	0.0000	26,158.5925

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.2502	60.0874	75.1966	0.1458	21.7411	2.6026	24.5847	11.7790	2.6023	14.6222	0.0000	14,592.1232	14,592.1232	3.8997	0.0000	14,634.3381
2021	3.9567	46.3319	56.4474	0.1439	5.5084	1.8212	7.3296	1.4865	1.8169	3.3034	0.0000	14,408.6047	14,408.6047	1.6486	0.0000	14,449.8191

2022	37.5921	90.6062	118.1146	0.2618	12.7555	3.9142	15.4985	5.4128	3.9079	8.1516	0.0000	26,061.9909	26,061.9909	3.8641	0.0000	26,158.5925
2023	1.7478	20.5932	26.6708	0.0694	2.7542	0.8802	3.6345	0.7432	0.8786	1.6218	0.0000	6,952.2200	6,952.2200	0.7834	0.0000	6,971.8044
2024	1.6848	20.4884	26.1439	0.0687	2.7543	0.8722	3.6265	0.7432	0.8706	1.6139	0.0000	6,878.9889	6,878.9889	0.7737	0.0000	6,898.3318
2025	1.6288	20.3609	25.6389	0.0678	2.7543	0.8652	3.6195	0.7433	0.8636	1.6069	0.0000	6,789.1229	6,789.1229	0.7643	0.0000	6,808.2308
2026	15.6746	20.2734	25.2258	0.0670	2.7543	0.8645	3.6188	0.7433	0.8630	1.6062	0.0000	6,709.7444	6,709.7444	0.7589	0.0000	6,728.7173
Maximum	37.5921	90.6062	118.1146	0.2618	21.7411	3.9142	24.5847	11.7790	3.9079	14.6222	0.0000	26,061.9909	26,061.9909	3.8997	0.0000	26,158.5925
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	16.92	21.37	-9.09	0.00	46.35	5.51	43.43	52.81	-1.30	45.06	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.8960	7.7000e-004	0.0854	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1836	0.1836	4.8000e-004		0.1955
Energy	0.4368	3.9708	3.3355	0.0238		0.3018	0.3018		0.3018	0.3018		4,764.9430	4,764.9430	0.0913	0.0874	4,793.2587
Mobile	8.3457	36.8599	109.0078	0.4537	41.2253	0.3298	41.5551	11.0294	0.3062	11.3356		46,320.6943	46,320.6943	2.0474		46,371.8791
Total	15.6785	40.8315	112.4286	0.4775	41.2253	0.6319	41.8572	11.0294	0.6083	11.6377		51,085.8209	51,085.8209	2.1392	0.0874	51,165.3333

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.8960	7.7000e-004	0.0854	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1836	0.1836	4.8000e-004		0.1955
Energy	0.4368	3.9708	3.3355	0.0238		0.3018	0.3018		0.3018	0.3018		4,764.9430	4,764.9430	0.0913	0.0874	4,793.2587
Mobile	8.3457	36.8599	109.0078	0.4537	41.2253	0.3298	41.5551	11.0294	0.3062	11.3356		46,320.6943	46,320.6943	2.0474		46,371.8791
Total	15.6785	40.8315	112.4286	0.4775	41.2253	0.6319	41.8572	11.0294	0.6083	11.6377		51,085.8209	51,085.8209	2.1392	0.0874	51,165.3333

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2020	2/11/2020	5	30	Phase 1 Site Preparation
2	Phase 1B Site Preparation	Site Preparation	1/1/2020	2/11/2020	5	30	
3	Phase 1A Grading	Grading	2/12/2020	5/6/2020	5	61	
4	Phase 1B Grading	Grading	2/12/2020	5/6/2020	5	61	
5	Phase 1A Building Construction	Building Construction	5/8/2020	8/16/2022	5	593	
6	Phase 1B Building Construction	Building Construction	5/8/2020	8/16/2022	5	593	
7	Phase 2 Site Preparation	Site Preparation	1/3/2022	3/8/2022	5	47	
8	Phase 2 Grading	Grading	3/9/2022	7/28/2022	5	102	
9	Phase 2 Building Construction	Building Construction	8/1/2022	5/20/2026	5	993	
10	Phase 1A Paving	Paving	8/16/2022	10/19/2022	5	47	

11	Phase 1B Paving	Paving	8/16/2022	10/19/2022	5	47
12	Phase 1A Architectural Coating	Architectural Coating	10/20/2022	12/23/2022	5	47
13	Phase 1B Architectural Coating	Architectural Coating	10/20/2022	12/23/2022	5	47
14	Phase 2 Paving	Paving	5/21/2026	9/8/2026	5	79
15	Phase 2 Architectural Coating	Architectural Coating	9/9/2026	12/28/2026	5	79

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 122,715; Non-Residential Outdoor: 40,905; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 1B Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Phase 1B Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 2 Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Phase 2 Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 1A Grading	Excavators	2	8.00	158	0.38
Phase 1A Grading	Graders	1	8.00	187	0.41
Phase 1A Grading	Rubber Tired Dozers	1	8.00	247	0.40
Phase 1A Grading	Scrapers	2	8.00	367	0.48
Phase 1A Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 1B Grading	Excavators	2	8.00	158	0.38
Phase 1B Grading	Graders	1	8.00	187	0.41
Phase 1B Grading	Rubber Tired Dozers	1	8.00	247	0.40
Phase 1B Grading	Scrapers	2	8.00	367	0.48
Phase 1B Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 2 Grading	Excavators	2	8.00	158	0.38

Phase 2 Grading	Graders	1	8.00	187	0.41
Phase 2 Grading	Rubber Tired Dozers	1	8.00	247	0.40
Phase 2 Grading	Scrapers	2	8.00	367	0.48
Phase 2 Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 1A Building Construction	Cranes	1	7.00	231	0.29
Phase 1A Building Construction	Forklifts	3	8.00	89	0.20
Phase 1A Building Construction	Generator Sets	1	8.00	84	0.74
Phase 1A Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1A Building Construction	Welders	1	8.00	46	0.45
Phase 1B Building Construction	Cranes	1	7.00	231	0.29
Phase 1B Building Construction	Forklifts	3	8.00	89	0.20
Phase 1B Building Construction	Generator Sets	1	8.00	84	0.74
Phase 1B Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1B Building Construction	Welders	1	8.00	46	0.45
Phase 2 Building Construction	Cranes	1	7.00	231	0.29
Phase 2 Building Construction	Forklifts	3	8.00	89	0.20
Phase 2 Building Construction	Generator Sets	1	8.00	84	0.74
Phase 2 Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 2 Building Construction	Welders	1	8.00	46	0.45
Phase 1A Paving	Pavers	2	8.00	130	0.42
Phase 1A Paving	Paving Equipment	2	8.00	132	0.36
Phase 1A Paving	Rollers	2	8.00	80	0.38
Phase 1B Paving	Pavers	2	8.00	130	0.42
Phase 1B Paving	Paving Equipment	2	8.00	132	0.36
Phase 1B Paving	Rollers	2	8.00	80	0.38
Phase 2 Paving	Pavers	2	8.00	130	0.42
Phase 2 Paving	Paving Equipment	2	8.00	132	0.36
Phase 2 Paving	Rollers	2	8.00	80	0.38
Phase 1A Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase 1B Architectural Coating	Air Compressors	1	6.00	78	0.48

Phase 2 Architectural Coating	Air Compressors	1	6.00	78	0.48
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1B Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1A Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1B Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1A Building Construction	9	196.00	88.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1B Building Construction	9	196.00	88.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Building Construction	9	196.00	88.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1A Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1B Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1A Architectural Coating	1	39.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1B Architectural Coating	1	39.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Architectural Coating	1	39.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672
Total	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0380		0.9462	0.9462		0.9462	0.9462	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	0.9312	19.0656	22.9600	0.0380	7.0458	0.9462	7.9920	3.8730	0.9462	4.8191	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672
Total	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672

3.3 Phase 1B Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672
Total	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0380		0.9462	0.9462		0.9462	0.9462	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	0.9312	19.0656	22.9600	0.0380	7.0458	0.9462	7.9920	3.8730	0.9462	4.8191	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672
Total	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672

3.4 Phase 1A Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000				0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424			6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	8.6733	2.1739	10.8472	3.5965	2.0000	5.5965		6,005.8653	6,005.8653	1.9424			6,054.4257

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		235.2226	235.2226	7.4200e-003			235.4080
Total	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		235.2226	235.2226	7.4200e-003			235.4080

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	1.5231	29.9782	36.7226	0.0620		1.2994	1.2994		1.2994	1.2994	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	1.5231	29.9782	36.7226	0.0620	3.3826	1.2994	4.6820	1.4026	1.2994	2.7021	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		235.2226	235.2226	7.4200e-003		235.4080
Total	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		235.2226	235.2226	7.4200e-003		235.4080

3.5 Phase 1B Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	8.6733	2.1739	10.8472	3.5965	2.0000	5.5965		6,005.8653	6,005.8653	1.9424		6,054.4257

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		235.2226	235.2226	7.4200e-003		235.4080
Total	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		235.2226	235.2226	7.4200e-003		235.4080

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000				0.0000
Off-Road	1.5231	29.9782	36.7226	0.0620		1.2994	1.2994		1.2994	1.2994	0.0000	6,005.8653	6,005.8653	1.9424			6,054.4257
Total	1.5231	29.9782	36.7226	0.0620	3.3826	1.2994	4.6820	1.4026	1.2994	2.7021	0.0000	6,005.8653	6,005.8653	1.9424			6,054.4257

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		235.2226	235.2226	7.4200e-003			235.4080
Total	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		235.2226	235.2226	7.4200e-003			235.4080

3.6 Phase 1A Building Construction - 2020

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3130	9.3608	2.4526	0.0228	0.5634	0.0441	0.6074	0.1622	0.0421	0.2044		2,437.8173	2,437.8173	0.1488		2,441.5364
Worker	0.9020	0.6417	8.5818	0.0232	2.1908	0.0183	2.2091	0.5810	0.0169	0.5979		2,305.1812	2,305.1812	0.0727		2,306.9982
Total	1.2150	10.0025	11.0344	0.0460	2.7542	0.0624	2.8166	0.7432	0.0590	0.8022		4,742.9986	4,742.9986	0.2214		4,748.5346

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9101	14.1070	18.1439	0.0269		0.8882	0.8882		0.8882	0.8882	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.9101	14.1070	18.1439	0.0269		0.8882	0.8882		0.8882	0.8882	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3130	9.3608	2.4526	0.0228	0.5634	0.0441	0.6074	0.1622	0.0421	0.2044		2,437.8173	2,437.8173	0.1488		2,441.5364
Worker	0.9020	0.6417	8.5818	0.0232	2.1908	0.0183	2.2091	0.5810	0.0169	0.5979		2,305.1812	2,305.1812	0.0727		2,306.9982
Total	1.2150	10.0025	11.0344	0.0460	2.7542	0.0624	2.8166	0.7432	0.0590	0.8022		4,742.9986	4,742.9986	0.2214		4,748.5346

3.6 Phase 1A Building Construction - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2675	8.5439	2.2336	0.0226	0.5634	0.0175	0.5809	0.1622	0.0167	0.1789		2,418.9496	2,418.9496	0.1425		2,422.5122
Worker	0.8402	0.5775	7.8944	0.0224	2.1908	0.0177	2.2085	0.5810	0.0163	0.5973		2,231.9889	2,231.9889	0.0658		2,233.6331
Total	1.1077	9.1214	10.1280	0.0450	2.7542	0.0352	2.7894	0.7432	0.0330	0.7762		4,650.9385	4,650.9385	0.2083		4,656.1453

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8707	14.0446	18.0957	0.0269		0.8754	0.8754		0.8754	0.8754	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.8707	14.0446	18.0957	0.0269		0.8754	0.8754		0.8754	0.8754	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2675	8.5439	2.2336	0.0226	0.5634	0.0175	0.5809	0.1622	0.0167	0.1789		2,418.9496	2,418.9496	0.1425		2,422.5122
Worker	0.8402	0.5775	7.8944	0.0224	2.1908	0.0177	2.2085	0.5810	0.0163	0.5973		2,231.9889	2,231.9889	0.0658		2,233.6331
Total	1.1077	9.1214	10.1280	0.0450	2.7542	0.0352	2.7894	0.7432	0.0330	0.7762		4,650.9385	4,650.9385	0.2083		4,656.1453

3.6 Phase 1A Building Construction - 2022

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2510	8.1251	2.1133	0.0224	0.5634	0.0153	0.5787	0.1622	0.0146	0.1768		2,397.8758	2,397.8758	0.1376		2,401.3159
Worker	0.7870	0.5216	7.2834	0.0216	2.1908	0.0172	2.2080	0.5810	0.0158	0.5968		2,153.4761	2,153.4761	0.0594		2,154.9621
Total	1.0380	8.6467	9.3967	0.0440	2.7542	0.0324	2.7867	0.7432	0.0304	0.7736		4,551.3520	4,551.3520	0.1970		4,556.2780

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8448	13.9986	18.0727	0.0269		0.8652	0.8652		0.8652	0.8652	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	0.8448	13.9986	18.0727	0.0269		0.8652	0.8652		0.8652	0.8652	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2510	8.1251	2.1133	0.0224	0.5634	0.0153	0.5787	0.1622	0.0146	0.1768		2,397.8758	2,397.8758	0.1376		2,401.3159
Worker	0.7870	0.5216	7.2834	0.0216	2.1908	0.0172	2.2080	0.5810	0.0158	0.5968		2,153.4761	2,153.4761	0.0594		2,154.9621
Total	1.0380	8.6467	9.3967	0.0440	2.7542	0.0324	2.7867	0.7432	0.0304	0.7736		4,551.3520	4,551.3520	0.1970		4,556.2780

3.7 Phase 1B Building Construction - 2020

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3130	9.3608	2.4526	0.0228	0.5634	0.0441	0.6074	0.1622	0.0421	0.2044		2,437.8173	2,437.8173	0.1488		2,441.5364
Worker	0.9020	0.6417	8.5818	0.0232	2.1908	0.0183	2.2091	0.5810	0.0169	0.5979		2,305.1812	2,305.1812	0.0727		2,306.9982
Total	1.2150	10.0025	11.0344	0.0460	2.7542	0.0624	2.8166	0.7432	0.0590	0.8022		4,742.9986	4,742.9986	0.2214		4,748.5346

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9101	14.1070	18.1439	0.0269		0.8882	0.8882		0.8882	0.8882	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.9101	14.1070	18.1439	0.0269		0.8882	0.8882		0.8882	0.8882	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3130	9.3608	2.4526	0.0228	0.5634	0.0441	0.6074	0.1622	0.0421	0.2044		2,437.8173	2,437.8173	0.1488		2,441.5364
Worker	0.9020	0.6417	8.5818	0.0232	2.1908	0.0183	2.2091	0.5810	0.0169	0.5979		2,305.1812	2,305.1812	0.0727		2,306.9982
Total	1.2150	10.0025	11.0344	0.0460	2.7542	0.0624	2.8166	0.7432	0.0590	0.8022		4,742.9986	4,742.9986	0.2214		4,748.5346

3.7 Phase 1B Building Construction - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2675	8.5439	2.2336	0.0226	0.5634	0.0175	0.5809	0.1622	0.0167	0.1789		2,418.9496	2,418.9496	0.1425		2,422.5122
Worker	0.8402	0.5775	7.8944	0.0224	2.1908	0.0177	2.2085	0.5810	0.0163	0.5973		2,231.9889	2,231.9889	0.0658		2,233.6331
Total	1.1077	9.1214	10.1280	0.0450	2.7542	0.0352	2.7894	0.7432	0.0330	0.7762		4,650.9385	4,650.9385	0.2083		4,656.1453

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8707	14.0446	18.0957	0.0269		0.8754	0.8754		0.8754	0.8754	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.8707	14.0446	18.0957	0.0269		0.8754	0.8754		0.8754	0.8754	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2675	8.5439	2.2336	0.0226	0.5634	0.0175	0.5809	0.1622	0.0167	0.1789		2,418.9496	2,418.9496	0.1425		2,422.5122
Worker	0.8402	0.5775	7.8944	0.0224	2.1908	0.0177	2.2085	0.5810	0.0163	0.5973		2,231.9889	2,231.9889	0.0658		2,233.6331
Total	1.1077	9.1214	10.1280	0.0450	2.7542	0.0352	2.7894	0.7432	0.0330	0.7762		4,650.9385	4,650.9385	0.2083		4,656.1453

3.7 Phase 1B Building Construction - 2022

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2510	8.1251	2.1133	0.0224	0.5634	0.0153	0.5787	0.1622	0.0146	0.1768		2,397.8758	2,397.8758	0.1376		2,401.3159
Worker	0.7870	0.5216	7.2834	0.0216	2.1908	0.0172	2.2080	0.5810	0.0158	0.5968		2,153.4761	2,153.4761	0.0594		2,154.9621
Total	1.0380	8.6467	9.3967	0.0440	2.7542	0.0324	2.7867	0.7432	0.0304	0.7736		4,551.3520	4,551.3520	0.1970		4,556.2780

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8448	13.9986	18.0727	0.0269		0.8652	0.8652		0.8652	0.8652	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	0.8448	13.9986	18.0727	0.0269		0.8652	0.8652		0.8652	0.8652	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2510	8.1251	2.1133	0.0224	0.5634	0.0153	0.5787	0.1622	0.0146	0.1768		2,397.8758	2,397.8758	0.1376		2,401.3159
Worker	0.7870	0.5216	7.2834	0.0216	2.1908	0.0172	2.2080	0.5810	0.0158	0.5968		2,153.4761	2,153.4761	0.0594		2,154.9621
Total	1.0380	8.6467	9.3967	0.0440	2.7542	0.0324	2.7867	0.7432	0.0304	0.7736		4,551.3520	4,551.3520	0.1970		4,556.2780

3.8 Phase 2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143		3,686.0619	3,686.0619	1.1922		3,715.8655

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047
Total	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0380		0.9462	0.9462		0.9462	0.9462	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	0.9312	19.0656	22.9600	0.0380	7.0458	0.9462	7.9920	3.8730	0.9462	4.8191	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047
Total	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047

3.9 Phase 2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	8.6733	1.6349	10.3082	3.5965	1.5041	5.1006		6,011.4105	6,011.4105	1.9442		6,060.0158

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0803	0.0532	0.7432	2.2100e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		219.7425	219.7425	6.0600e-003		219.8941
Total	0.0803	0.0532	0.7432	2.2100e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		219.7425	219.7425	6.0600e-003		219.8941

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	1.5231	29.9782	36.7226	0.0621		1.2994	1.2994		1.2994	1.2994	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	1.5231	29.9782	36.7226	0.0621	3.3826	1.2994	4.6820	1.4026	1.2994	2.7021	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0803	0.0532	0.7432	2.2100e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		219.7425	219.7425	6.0600e-003		219.8941
Total	0.0803	0.0532	0.7432	2.2100e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		219.7425	219.7425	6.0600e-003		219.8941

3.10 Phase 2 Building Construction - 2022

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2510	8.1251	2.1133	0.0224	0.5634	0.0153	0.5787	0.1622	0.0146	0.1768		2,397.8758	2,397.8758	0.1376		2,401.3159
Worker	0.7870	0.5216	7.2834	0.0216	2.1908	0.0172	2.2080	0.5810	0.0158	0.5968		2,153.4761	2,153.4761	0.0594		2,154.9621
Total	1.0380	8.6467	9.3967	0.0440	2.7542	0.0324	2.7867	0.7432	0.0304	0.7736		4,551.3520	4,551.3520	0.1970		4,556.2780

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8448	13.9986	18.0727	0.0269		0.8652	0.8652		0.8652	0.8652	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	0.8448	13.9986	18.0727	0.0269		0.8652	0.8652		0.8652	0.8652	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2510	8.1251	2.1133	0.0224	0.5634	0.0153	0.5787	0.1622	0.0146	0.1768		2,397.8758	2,397.8758	0.1376		2,401.3159
Worker	0.7870	0.5216	7.2834	0.0216	2.1908	0.0172	2.2080	0.5810	0.0158	0.5968		2,153.4761	2,153.4761	0.0594		2,154.9621
Total	1.0380	8.6467	9.3967	0.0440	2.7542	0.0324	2.7867	0.7432	0.0304	0.7736		4,551.3520	4,551.3520	0.1970		4,556.2780

3.10 Phase 2 Building Construction - 2023

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1863	6.1650	1.9086	0.0217	0.5634	7.1200e-003	0.5705	0.1622	6.8100e-003	0.1690		2,322.3854	2,322.3854	0.1219		2,325.4339
Worker	0.7390	0.4720	6.7074	0.0208	2.1908	0.0167	2.2075	0.5810	0.0153	0.5964		2,074.6247	2,074.6247	0.0536		2,075.9645
Total	0.9253	6.6369	8.6160	0.0425	2.7542	0.0238	2.7780	0.7432	0.0222	0.7654		4,397.0101	4,397.0101	0.1755		4,401.3983

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8225	13.9563	18.0549	0.0269		0.8565	0.8565		0.8565	0.8565	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	0.8225	13.9563	18.0549	0.0269		0.8565	0.8565		0.8565	0.8565	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1863	6.1650	1.9086	0.0217	0.5634	7.1200e-003	0.5705	0.1622	6.8100e-003	0.1690		2,322.3854	2,322.3854	0.1219		2,325.4339
Worker	0.7390	0.4720	6.7074	0.0208	2.1908	0.0167	2.2075	0.5810	0.0153	0.5964		2,074.6247	2,074.6247	0.0536		2,075.9645
Total	0.9253	6.6369	8.6160	0.0425	2.7542	0.0238	2.7780	0.7432	0.0222	0.7654		4,397.0101	4,397.0101	0.1755		4,401.3983

3.10 Phase 2 Building Construction - 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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1818	6.1415	1.8504	0.0216	0.5634	7.0300e-003	0.5705	0.1622	6.7200e-003	0.1690		2,312.9606	2,312.9606	0.1202		2,315.9657
Worker	0.6991	0.4304	6.2528	0.0202	2.1908	0.0164	2.2072	0.5810	0.0151	0.5961		2,010.3294	2,010.3294	0.0492		2,011.5585
Total	0.8809	6.5719	8.1033	0.0417	2.7543	0.0235	2.7777	0.7432	0.0218	0.7651		4,323.2900	4,323.2900	0.1694		4,327.5242

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8039	13.9165	18.0406	0.0270		0.8488	0.8488		0.8488	0.8488	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.8039	13.9165	18.0406	0.0270		0.8488	0.8488		0.8488	0.8488	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1818	6.1415	1.8504	0.0216	0.5634	7.0300e-003	0.5705	0.1622	6.7200e-003	0.1690		2,312.9606	2,312.9606	0.1202		2,315.9657
Worker	0.6991	0.4304	6.2528	0.0202	2.1908	0.0164	2.2072	0.5810	0.0151	0.5961		2,010.3294	2,010.3294	0.0492		2,011.5585
Total	0.8809	6.5719	8.1033	0.0417	2.7543	0.0235	2.7777	0.7432	0.0218	0.7651		4,323.2900	4,323.2900	0.1694		4,327.5242

3.10 Phase 2 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1772	6.0893	1.8029	0.0214	0.5634	6.9200e-003	0.5704	0.1622	6.6200e-003	0.1689		2,300.2160	2,300.2160	0.1185		2,303.1789
Worker	0.6638	0.3938	5.8075	0.0194	2.1908	0.0161	2.2069	0.5810	0.0148	0.5958		1,932.4326	1,932.4326	0.0449		1,933.5538
Total	0.8410	6.4831	7.6104	0.0408	2.7543	0.0230	2.7773	0.7433	0.0214	0.7647		4,232.6486	4,232.6486	0.1634		4,236.7327

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7878	13.8778	18.0286	0.0270		0.8422	0.8422		0.8422	0.8422	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.7878	13.8778	18.0286	0.0270		0.8422	0.8422		0.8422	0.8422	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1772	6.0893	1.8029	0.0214	0.5634	6.9200e-003	0.5704	0.1622	6.6200e-003	0.1689		2,300.2160	2,300.2160	0.1185		2,303.1789
Worker	0.6638	0.3938	5.8075	0.0194	2.1908	0.0161	2.2069	0.5810	0.0148	0.5958		1,932.4326	1,932.4326	0.0449		1,933.5538
Total	0.8410	6.4831	7.6104	0.0408	2.7543	0.0230	2.7773	0.7433	0.0214	0.7647		4,232.6486	4,232.6486	0.1634		4,236.7327

3.10 Phase 2 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1732	6.0328	1.7665	0.0213	0.5635	6.7900e-003	0.5703	0.1622	6.4900e-003	0.1687		2,287.9779	2,287.9779	0.1168		2,290.8988
Worker	0.6335	0.3628	5.4307	0.0187	2.1908	0.0155	2.2064	0.5810	0.0143	0.5953		1,865.2921	1,865.2921	0.0411		1,866.3204
Total	0.8067	6.3956	7.1972	0.0400	2.7543	0.0223	2.7766	0.7433	0.0208	0.7640		4,153.2700	4,153.2700	0.1580		4,157.2192

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7878	13.8778	18.0286	0.0270		0.8422	0.8422		0.8422	0.8422	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.7878	13.8778	18.0286	0.0270		0.8422	0.8422		0.8422	0.8422	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1732	6.0328	1.7665	0.0213	0.5635	6.7900e-003	0.5703	0.1622	6.4900e-003	0.1687		2,287.9779	2,287.9779	0.1168		2,290.8988
Worker	0.6335	0.3628	5.4307	0.0187	2.1908	0.0155	2.2064	0.5810	0.0143	0.5953		1,865.2921	1,865.2921	0.0411		1,866.3204
Total	0.8067	6.3956	7.1972	0.0400	2.7543	0.0223	2.7766	0.7433	0.0208	0.7640		4,153.2700	4,153.2700	0.1580		4,157.2192

3.11 Phase 1A Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1474	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
Total	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6055	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
Total	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206

3.12 Phase 1B Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1474	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
Total	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6055	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
Total	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206

3.13 Phase 1A Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.3428					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	16.5474	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1566	0.1038	1.4493	4.3000e-003	0.4359	3.4100e-003	0.4393	0.1156	3.1400e-003	0.1188		428.4978	428.4978	0.0118		428.7935
Total	0.1566	0.1038	1.4493	4.3000e-003	0.4359	3.4100e-003	0.4393	0.1156	3.1400e-003	0.1188		428.4978	428.4978	0.0118		428.7935

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	16.3428					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0183		281.9062
Total	16.4022	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1566	0.1038	1.4493	4.3000e-003	0.4359	3.4100e-003	0.4393	0.1156	3.1400e-003	0.1188		428.4978	428.4978	0.0118		428.7935
Total	0.1566	0.1038	1.4493	4.3000e-003	0.4359	3.4100e-003	0.4393	0.1156	3.1400e-003	0.1188		428.4978	428.4978	0.0118		428.7935

3.14 Phase 1B Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	18.9345					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	19.1390	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1566	0.1038	1.4493	4.3000e-003	0.4359	3.4100e-003	0.4393	0.1156	3.1400e-003	0.1188		428.4978	428.4978	0.0118		428.7935
Total	0.1566	0.1038	1.4493	4.3000e-003	0.4359	3.4100e-003	0.4393	0.1156	3.1400e-003	0.1188		428.4978	428.4978	0.0118		428.7935

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	18.9345					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0183		281.9062
Total	18.9939	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1566	0.1038	1.4493	4.3000e-003	0.4359	3.4100e-003	0.4393	0.1156	3.1400e-003	0.1188		428.4978	428.4978	0.0118		428.7935
Total	0.1566	0.1038	1.4493	4.3000e-003	0.4359	3.4100e-003	0.4393	0.1156	3.1400e-003	0.1188		428.4978	428.4978	0.0118		428.7935

3.15 Phase 2 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0265					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9417	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0278	0.4156	1.4300e-003	0.1677	1.1900e-003	0.1689	0.0445	1.0900e-003	0.0456		142.7520	142.7520	3.1500e-003		142.8306
Total	0.0485	0.0278	0.4156	1.4300e-003	0.1677	1.1900e-003	0.1689	0.0445	1.0900e-003	0.0456		142.7520	142.7520	3.1500e-003		142.8306

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0265					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5875	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0485	0.0278	0.4156	1.4300e-003	0.1677	1.1900e-003	0.1689	0.0445	1.0900e-003	0.0456		142.7520	142.7520	3.1500e-003		142.8306
Total	0.0485	0.0278	0.4156	1.4300e-003	0.1677	1.1900e-003	0.1689	0.0445	1.0900e-003	0.0456		142.7520	142.7520	3.1500e-003		142.8306

3.16 Phase 2 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	15.4891					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	15.6600	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1261	0.0722	1.0806	3.7200e-003	0.4359	3.0900e-003	0.4390	0.1156	2.8500e-003	0.1185		371.1551	371.1551	8.1800e-003		371.3597
Total	0.1261	0.0722	1.0806	3.7200e-003	0.4359	3.0900e-003	0.4390	0.1156	2.8500e-003	0.1185		371.1551	371.1551	8.1800e-003		371.3597

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	15.4891					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	15.5485	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1261	0.0722	1.0806	3.7200e-003	0.4359	3.0900e-003	0.4390	0.1156	2.8500e-003	0.1185		371.1551	371.1551	8.1800e-003		371.3597
Total	0.1261	0.0722	1.0806	3.7200e-003	0.4359	3.0900e-003	0.4390	0.1156	2.8500e-003	0.1185		371.1551	371.1551	8.1800e-003		371.3597

4.0 Operational Detail - Mobile

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	8.3457	36.8599	109.0078	0.4537	41.2253	0.3298	41.5551	11.0294	0.3062	11.3356		46,320.6943	46,320.6943	2.0474		46,371.8791
Unmitigated	8.3457	36.8599	109.0078	0.4537	41.2253	0.3298	41.5551	11.0294	0.3062	11.3356		46,320.6943	46,320.6943	2.0474		46,371.8791

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hospital	2,826.57	2,176.59	1905.05	10,087,805	10,087,805
Medical Office Building	3,251.70	806.40	139.50	6,375,111	6,375,111
Parking Lot	0.00	0.00	0.00		
Total	6,078.27	2,982.99	2,044.55	16,462,916	16,462,916

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	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
Enclosed Parking with Elevator	0.544210	0.044379	0.208611	0.117175	0.014456	0.006301	0.020907	0.032661	0.002589	0.001903	0.005267	0.000705	0.000834
Hospital	0.544210	0.044379	0.208611	0.117175	0.014456	0.006301	0.020907	0.032661	0.002589	0.001903	0.005267	0.000705	0.000834
Medical Office Building	0.544210	0.044379	0.208611	0.117175	0.014456	0.006301	0.020907	0.032661	0.002589	0.001903	0.005267	0.000705	0.000834
Parking Lot	0.544210	0.044379	0.208611	0.117175	0.014456	0.006301	0.020907	0.032661	0.002589	0.001903	0.005267	0.000705	0.000834

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.4368	3.9708	3.3355	0.0238		0.3018	0.3018		0.3018	0.3018		4,764.9430	4,764.9430	0.0913	0.0874	4,793.2587
NaturalGas Unmitigated	0.4368	3.9708	3.3355	0.0238		0.3018	0.3018		0.3018	0.3018		4,764.9430	4,764.9430	0.0913	0.0874	4,793.2587

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						
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	37935.2	0.4091	3.7191	3.1241	0.0223		0.2827	0.2827		0.2827	0.2827		4,462.9607	4,462.9607	0.0855	0.0818	4,489.4819	
Medical Office Building	2566.85	0.0277	0.2517	0.2114	1.5100e-003		0.0191	0.0191		0.0191	0.0191		301.9823	301.9823	5.7900e-003	5.5400e-003	303.7768	
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	
Total		0.4368	3.9708	3.3355	0.0238		0.3018	0.3018		0.3018	0.3018		4,764.9430	4,764.9430	0.0913	0.0874	4,793.2587	

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	37.9352	0.4091	3.7191	3.1241	0.0223		0.2827	0.2827		0.2827	0.2827		4,462.9607	4,462.9607	0.0855	0.0818	4,489.4819
Medical Office Building	2.56685	0.0277	0.2517	0.2114	1.5100e-003		0.0191	0.0191		0.0191	0.0191		301.9823	301.9823	5.7900e-003	5.5400e-003	303.7768
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.4368	3.9708	3.3355	0.0238		0.3018	0.3018		0.3018	0.3018		4,764.9430	4,764.9430	0.0913	0.0874	4,793.2587

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.8960	7.7000e-004	0.0854	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1836	0.1836	4.8000e-004		0.1955
Unmitigated	6.8960	7.7000e-004	0.0854	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1836	0.1836	4.8000e-004		0.1955

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	0.7895					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0987					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.8700e-003	7.7000e-004	0.0854	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1836	0.1836	4.8000e-004		0.1955
Total	6.8960	7.7000e-004	0.0854	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1836	0.1836	4.8000e-004		0.1955

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	0.7895					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0987					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.8700e-003	7.7000e-004	0.0854	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1836	0.1836	4.8000e-004		0.1955
Total	6.8960	7.7000e-004	0.0854	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1836	0.1836	4.8000e-004		0.1955

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Queen of the Valley Hospital Specific Plan- Phases 1A, 1B, 2 - Los Angeles-South Coast County, Winter

**Queen of the Valley Hospital Specific Plan- Phases 1A, 1B, 2
Los Angeles-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	213.81	1000sqft	4.91	213,810.00	0
Medical Office Building	90.00	1000sqft	2.07	90,000.00	0
Enclosed Parking with Elevator	500.00	Space	4.50	200,000.00	0
Parking Lot	35.00	1000sqft	0.80	35,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Based on PD and Client-provided data
- Construction Phase - .
- Demolition -
- Grading -
- Construction Off-road Equipment Mitigation - Tier 3 equipment

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	47.00
tblConstructionPhase	NumDays	20.00	47.00
tblConstructionPhase	NumDays	20.00	79.00
tblConstructionPhase	NumDays	300.00	593.00
tblConstructionPhase	NumDays	300.00	593.00
tblConstructionPhase	NumDays	300.00	993.00
tblConstructionPhase	NumDays	30.00	61.00
tblConstructionPhase	NumDays	30.00	61.00
tblConstructionPhase	NumDays	30.00	102.00
tblConstructionPhase	NumDays	20.00	47.00
tblConstructionPhase	NumDays	20.00	47.00
tblConstructionPhase	NumDays	20.00	79.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	NumDays	10.00	30.00
tblConstructionPhase	NumDays	10.00	47.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Year	lb/day											lb/day				
	2020	12.5054	127.4477	66.7063	0.1418	54.8024	4.3982	61.3997	29.9521	4.0463	36.0216	0.0000	14,189.5176	14,189.5176	3.8988	0.0000
2021	6.2326	53.1951	52.5276	0.1401	5.5084	1.9887	7.4971	1.4865	1.8697	3.3561	0.0000	14,015.2333	14,015.2333	1.6595	0.0000	14,056.7201
2022	38.8833	95.2259	106.2286	0.2560	23.7759	3.6642	27.0739	11.4705	3.4235	14.5396	0.0000	25,467.1760	25,467.1760	3.8795	0.0000	25,564.1639
2023	2.5956	21.0440	24.4329	0.0676	2.7542	0.7239	3.4781	0.7432	0.6809	1.4242	0.0000	6,768.1058	6,768.1058	0.7871	0.0000	6,787.7840
2024	2.4473	20.0348	23.8708	0.0669	2.7543	0.6371	3.3913	0.7432	0.5991	1.3423	0.0000	6,699.2353	6,699.2353	0.7775	0.0000	6,718.6720
2025	2.3010	18.9684	23.3269	0.0661	2.7543	0.5509	3.3051	0.7433	0.5180	1.2612	0.0000	6,614.6648	6,614.6648	0.7681	0.0000	6,633.8667
2026	15.8024	18.8777	22.9400	0.0653	2.7543	0.5502	3.3044	0.7433	0.5173	1.2605	0.0000	6,539.8895	6,539.8895	0.7627	0.0000	6,558.9564
Maximum	38.8833	127.4477	106.2286	0.2560	54.8024	4.3982	61.3997	29.9521	4.0463	36.0216	0.0000	25,467.1760	25,467.1760	3.8988	0.0000	25,564.1639

Mitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
	lb/day											lb/day				
2020	4.4778	60.1014	75.0492	0.1418	21.7411	2.6026	24.5847	11.7790	2.6023	14.6222	0.0000	14,189.5176	14,189.5176	3.8988	0.0000	14,232.0089
2021	4.1721	46.4201	55.5686	0.1401	5.5084	1.8223	7.3308	1.4865	1.8180	3.3044	0.0000	14,015.2333	14,015.2333	1.6595	0.0000	14,056.7201
2022	37.7316	90.7155	116.7870	0.2560	12.7555	3.9157	15.4995	5.4128	3.9094	8.1526	0.0000	25,467.1760	25,467.1760	3.8795	0.0000	25,564.1639
2023	1.8453	20.6154	26.2437	0.0676	2.7542	0.8806	3.6348	0.7432	0.8790	1.6222	0.0000	6,768.1058	6,768.1058	0.7871	0.0000	6,787.7840
2024	1.7796	20.5075	25.7446	0.0669	2.7543	0.8726	3.6268	0.7432	0.8709	1.6142	0.0000	6,699.2353	6,699.2353	0.7775	0.0000	6,718.6720
2025	1.7214	20.3764	25.2708	0.0661	2.7543	0.8655	3.6198	0.7433	0.8639	1.6072	0.0000	6,614.6648	6,614.6648	0.7681	0.0000	6,633.8667
2026	15.6909	20.2858	24.8839	0.0653	2.7543	0.8648	3.6191	0.7433	0.8633	1.6065	0.0000	6,539.8895	6,539.8895	0.7627	0.0000	6,558.9564

Maximum	37.7316	90.7155	116.7870	0.2560	21.7411	3.9157	24.5847	11.7790	3.9094	14.6222	0.0000	25,467.1760	25,467.1760	3.8988	0.0000	25,564.1639
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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
Percent Reduction	16.53	21.36	-9.22	0.00	46.35	5.51	43.43	52.81	-1.30	45.06	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.8960	7.7000e-004	0.0854	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1836	0.1836	4.8000e-004		0.1955
Energy	0.4368	3.9708	3.3355	0.0238		0.3018	0.3018		0.3018	0.3018		4,764.9430	4,764.9430	0.0913	0.0874	4,793.2587
Mobile	8.0817	37.5860	103.3756	0.4320	41.2253	0.3310	41.5563	11.0294	0.3073	11.3367		44,138.3796	44,138.3796	2.0470		44,189.5550
Total	15.4146	41.5576	106.7965	0.4559	41.2253	0.6331	41.8584	11.0294	0.6094	11.6388		48,903.5061	48,903.5061	2.1388	0.0874	48,983.0092

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.8960	7.7000e-004	0.0854	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1836	0.1836	4.8000e-004		0.1955
Energy	0.4368	3.9708	3.3355	0.0238		0.3018	0.3018		0.3018	0.3018		4,764.9430	4,764.9430	0.0913	0.0874	4,793.2587
Mobile	8.0817	37.5860	103.3756	0.4320	41.2253	0.3310	41.5563	11.0294	0.3073	11.3367		44,138.3796	44,138.3796	2.0470		44,189.5550

Total	15.4146	41.5576	106.7965	0.4559	41.2253	0.6331	41.8584	11.0294	0.6094	11.6388		48,903.50 61	48,903.506 1	2.1388	0.0874	48,983.00 92
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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
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2020	2/11/2020	5	30	Phase 1 Site Preparation
2	Phase 1B Site Preparation	Site Preparation	1/1/2020	2/11/2020	5	30	
3	Phase 1A Grading	Grading	2/12/2020	5/6/2020	5	61	
4	Phase 1B Grading	Grading	2/12/2020	5/6/2020	5	61	
5	Phase 1A Building Construction	Building Construction	5/8/2020	8/16/2022	5	593	
6	Phase 1B Building Construction	Building Construction	5/8/2020	8/16/2022	5	593	
7	Phase 2 Site Preparation	Site Preparation	1/3/2022	3/8/2022	5	47	
8	Phase 2 Grading	Grading	3/9/2022	7/28/2022	5	102	
9	Phase 2 Building Construction	Building Construction	8/1/2022	5/20/2026	5	993	
10	Phase 1A Paving	Paving	8/16/2022	10/19/2022	5	47	
11	Phase 1B Paving	Paving	8/16/2022	10/19/2022	5	47	
12	Phase 1A Architectural Coating	Architectural Coating	10/20/2022	12/23/2022	5	47	
13	Phase 1B Architectural Coating	Architectural Coating	10/20/2022	12/23/2022	5	47	
14	Phase 2 Paving	Paving	5/21/2026	9/8/2026	5	79	
15	Phase 2 Architectural Coating	Architectural Coating	9/9/2026	12/28/2026	5	79	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 122,715; Non-Residential Outdoor: 40,905; Striped Parking Area:

OffRoad Equipment

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 1B Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Phase 1B Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 2 Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Phase 2 Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 1A Grading	Excavators	2	8.00	158	0.38
Phase 1A Grading	Graders	1	8.00	187	0.41
Phase 1A Grading	Rubber Tired Dozers	1	8.00	247	0.40
Phase 1A Grading	Scrapers	2	8.00	367	0.48
Phase 1A Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 1B Grading	Excavators	2	8.00	158	0.38
Phase 1B Grading	Graders	1	8.00	187	0.41
Phase 1B Grading	Rubber Tired Dozers	1	8.00	247	0.40
Phase 1B Grading	Scrapers	2	8.00	367	0.48
Phase 1B Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 2 Grading	Excavators	2	8.00	158	0.38
Phase 2 Grading	Graders	1	8.00	187	0.41
Phase 2 Grading	Rubber Tired Dozers	1	8.00	247	0.40
Phase 2 Grading	Scrapers	2	8.00	367	0.48
Phase 2 Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 1A Building Construction	Cranes	1	7.00	231	0.29
Phase 1A Building Construction	Forklifts	3	8.00	89	0.20
Phase 1A Building Construction	Generator Sets	1	8.00	84	0.74
Phase 1A Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1A Building Construction	Welders	1	8.00	46	0.45
Phase 1B Building Construction	Cranes	1	7.00	231	0.29

Phase 1B Building Construction	Forklifts	3	8.00	89	0.20
Phase 1B Building Construction	Generator Sets	1	8.00	84	0.74
Phase 1B Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1B Building Construction	Welders	1	8.00	46	0.45
Phase 2 Building Construction	Cranes	1	7.00	231	0.29
Phase 2 Building Construction	Forklifts	3	8.00	89	0.20
Phase 2 Building Construction	Generator Sets	1	8.00	84	0.74
Phase 2 Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 2 Building Construction	Welders	1	8.00	46	0.45
Phase 1A Paving	Pavers	2	8.00	130	0.42
Phase 1A Paving	Paving Equipment	2	8.00	132	0.36
Phase 1A Paving	Rollers	2	8.00	80	0.38
Phase 1B Paving	Pavers	2	8.00	130	0.42
Phase 1B Paving	Paving Equipment	2	8.00	132	0.36
Phase 1B Paving	Rollers	2	8.00	80	0.38
Phase 2 Paving	Pavers	2	8.00	130	0.42
Phase 2 Paving	Paving Equipment	2	8.00	132	0.36
Phase 2 Paving	Rollers	2	8.00	80	0.38
Phase 1A Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase 1B Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase 2 Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1B Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1A Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1B Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Phase 2 Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1A Building Construction	9	196.00	88.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1B Building Construction	9	196.00	88.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Building Construction	9	196.00	88.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1A Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1B Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1A Architectural Coating	1	39.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1B Architectural Coating	1	39.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Architectural Coating	1	39.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927
Total	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0380		0.9462	0.9462		0.9462	0.9462	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	0.9312	19.0656	22.9600	0.0380	7.0458	0.9462	7.9920	3.8730	0.9462	4.8191	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927
Total	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927

3.3 Phase 1B Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927

Total	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0380		0.9462	0.9462		0.9462	0.9462	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	0.9312	19.0656	22.9600	0.0380	7.0458	0.9462	7.9920	3.8730	0.9462	4.8191	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927
Total	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927

3.4 Phase 1A Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	8.6733	2.1739	10.8472	3.5965	2.0000	5.5965		6,005.8653	6,005.8653	1.9424		6,054.4257

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		221.4841	221.4841	6.9800e-003		221.6586
Total	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		221.4841	221.4841	6.9800e-003		221.6586

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	1.5231	29.9782	36.7226	0.0620		1.2994	1.2994		1.2994	1.2994	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	1.5231	29.9782	36.7226	0.0620	3.3826	1.2994	4.6820	1.4026	1.2994	2.7021	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		221.4841	221.4841	6.9800e-003		221.6586
Total	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		221.4841	221.4841	6.9800e-003		221.6586

3.5 Phase 1B Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	8.6733	2.1739	10.8472	3.5965	2.0000	5.5965		6,005.8653	6,005.8653	1.9424		6,054.4257

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		221.4841	221.4841	6.9800e-003		221.6586
Total	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		221.4841	221.4841	6.9800e-003		221.6586

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	1.5231	29.9782	36.7226	0.0620		1.2994	1.2994		1.2994	1.2994	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	1.5231	29.9782	36.7226	0.0620	3.3826	1.2994	4.6820	1.4026	1.2994	2.7021	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		221.4841	221.4841	6.9800e-003		221.6586
Total	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		221.4841	221.4841	6.9800e-003		221.6586

3.6 Phase 1A Building Construction - 2020

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.3272	9.3588	2.7050	0.0222	0.5634	0.0448	0.6081	0.1622	0.0428	0.2050		2,371.1518	2,371.1518	0.1586		2,375.1157
Worker	1.0016	0.7104	7.8598	0.0218	2.1908	0.0183	2.2091	0.5810	0.0169	0.5979		2,170.5440	2,170.5440	0.0684		2,172.2543
Total	1.3288	10.0693	10.5648	0.0440	2.7542	0.0631	2.8173	0.7432	0.0597	0.8029		4,541.6957	4,541.6957	0.2270		4,547.3700

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9101	14.1070	18.1439	0.0269		0.8882	0.8882		0.8882	0.8882	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.9101	14.1070	18.1439	0.0269		0.8882	0.8882		0.8882	0.8882	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3272	9.3588	2.7050	0.0222	0.5634	0.0448	0.6081	0.1622	0.0428	0.2050		2,371.1518	2,371.1518	0.1586		2,375.1157
Worker	1.0016	0.7104	7.8598	0.0218	2.1908	0.0183	2.2091	0.5810	0.0169	0.5979		2,170.5440	2,170.5440	0.0684		2,172.2543
Total	1.3288	10.0693	10.5648	0.0440	2.7542	0.0631	2.8173	0.7432	0.0597	0.8029		4,541.6957	4,541.6957	0.2270		4,547.3700

3.6 Phase 1A Building Construction - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2808	8.5262	2.4708	0.0220	0.5634	0.0180	0.5814	0.1622	0.0172	0.1795		2,352.6406	2,352.6406	0.1519		2,356.4376
Worker	0.9346	0.6393	7.2178	0.0211	2.1908	0.0177	2.2085	0.5810	0.0163	0.5973		2,101.6121	2,101.6121	0.0618		2,103.1582
Total	1.2154	9.1655	9.6886	0.0431	2.7542	0.0357	2.7899	0.7432	0.0336	0.7768		4,454.2528	4,454.2528	0.2137		4,459.5958

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8707	14.0446	18.0957	0.0269		0.8754	0.8754		0.8754	0.8754	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.8707	14.0446	18.0957	0.0269		0.8754	0.8754		0.8754	0.8754	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2808	8.5262	2.4708	0.0220	0.5634	0.0180	0.5814	0.1622	0.0172	0.1795		2,352.6406	2,352.6406	0.1519		2,356.4376
Worker	0.9346	0.6393	7.2178	0.0211	2.1908	0.0177	2.2085	0.5810	0.0163	0.5973		2,101.6121	2,101.6121	0.0618		2,103.1582
Total	1.2154	9.1655	9.6886	0.0431	2.7542	0.0357	2.7899	0.7432	0.0336	0.7768		4,454.2528	4,454.2528	0.2137		4,459.5958

3.6 Phase 1A Building Construction - 2022

Unmitigated Construction On-Site

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

Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2636	8.1030	2.3388	0.0218	0.5634	0.0158	0.5792	0.1622	0.0151	0.1773		2,331.7385	2,331.7385	0.1465		2,335.4020
Worker	0.8778	0.5773	6.6479	0.0204	2.1908	0.0172	2.2080	0.5810	0.0158	0.5968		2,027.7561	2,027.7561	0.0558		2,029.1520
Total	1.1414	8.6803	8.9866	0.0422	2.7542	0.0329	2.7871	0.7432	0.0309	0.7741		4,359.4946	4,359.4946	0.2024		4,364.5540

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8448	13.9986	18.0727	0.0269		0.8652	0.8652		0.8652	0.8652	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	0.8448	13.9986	18.0727	0.0269		0.8652	0.8652		0.8652	0.8652	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.2636	8.1030	2.3388	0.0218	0.5634	0.0158	0.5792	0.1622	0.0151	0.1773		2,331.7385	2,331.7385	0.1465			2,335.4020
Worker	0.8778	0.5773	6.6479	0.0204	2.1908	0.0172	2.2080	0.5810	0.0158	0.5968		2,027.7561	2,027.7561	0.0558			2,029.1520
Total	1.1414	8.6803	8.9866	0.0422	2.7542	0.0329	2.7871	0.7432	0.0309	0.7741		4,359.4946	4,359.4946	0.2024			4,364.5540

3.7 Phase 1B Building Construction - 2020

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3272	9.3588	2.7050	0.0222	0.5634	0.0448	0.6081	0.1622	0.0428	0.2050		2,371.1518	2,371.1518	0.1586	2,375.1157
Worker	1.0016	0.7104	7.8598	0.0218	2.1908	0.0183	2.2091	0.5810	0.0169	0.5979		2,170.5440	2,170.5440	0.0684	2,172.2543
Total	1.3288	10.0693	10.5648	0.0440	2.7542	0.0631	2.8173	0.7432	0.0597	0.8029		4,541.6957	4,541.6957	0.2270	4,547.3700

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9101	14.1070	18.1439	0.0269		0.8882	0.8882		0.8882	0.8882	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.9101	14.1070	18.1439	0.0269		0.8882	0.8882		0.8882	0.8882	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3272	9.3588	2.7050	0.0222	0.5634	0.0448	0.6081	0.1622	0.0428	0.2050		2,371.1518	2,371.1518	0.1586		2,375.1157

Worker	1.0016	0.7104	7.8598	0.0218	2.1908	0.0183	2.2091	0.5810	0.0169	0.5979		2,170.544 0	2,170.5440	0.0684		2,172.254 3
Total	1.3288	10.0693	10.5648	0.0440	2.7542	0.0631	2.8173	0.7432	0.0597	0.8029		4,541.695 7	4,541.6957	0.2270		4,547.370 0

3.7 Phase 1B Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.363 9	2,553.3639	0.6160		2,568.764 3
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.363 9	2,553.3639	0.6160		2,568.764 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2808	8.5262	2.4708	0.0220	0.5634	0.0180	0.5814	0.1622	0.0172	0.1795		2,352.640 6	2,352.6406	0.1519		2,356.437 6
Worker	0.9346	0.6393	7.2178	0.0211	2.1908	0.0177	2.2085	0.5810	0.0163	0.5973		2,101.612 1	2,101.6121	0.0618		2,103.158 2
Total	1.2154	9.1655	9.6886	0.0431	2.7542	0.0357	2.7899	0.7432	0.0336	0.7768		4,454.252 8	4,454.2528	0.2137		4,459.595 8

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8707	14.0446	18.0957	0.0269		0.8754	0.8754		0.8754	0.8754	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.8707	14.0446	18.0957	0.0269		0.8754	0.8754		0.8754	0.8754	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2808	8.5262	2.4708	0.0220	0.5634	0.0180	0.5814	0.1622	0.0172	0.1795		2,352.6406	2,352.6406	0.1519		2,356.4376
Worker	0.9346	0.6393	7.2178	0.0211	2.1908	0.0177	2.2085	0.5810	0.0163	0.5973		2,101.6121	2,101.6121	0.0618		2,103.1582
Total	1.2154	9.1655	9.6886	0.0431	2.7542	0.0357	2.7899	0.7432	0.0336	0.7768		4,454.2528	4,454.2528	0.2137		4,459.5958

3.7 Phase 1B Building Construction - 2022

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2636	8.1030	2.3388	0.0218	0.5634	0.0158	0.5792	0.1622	0.0151	0.1773		2,331.7385	2,331.7385	0.1465		2,335.4020
Worker	0.8778	0.5773	6.6479	0.0204	2.1908	0.0172	2.2080	0.5810	0.0158	0.5968		2,027.7561	2,027.7561	0.0558		2,029.1520
Total	1.1414	8.6803	8.9866	0.0422	2.7542	0.0329	2.7871	0.7432	0.0309	0.7741		4,359.4946	4,359.4946	0.2024		4,364.5540

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8448	13.9986	18.0727	0.0269		0.8652	0.8652		0.8652	0.8652	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	0.8448	13.9986	18.0727	0.0269		0.8652	0.8652		0.8652	0.8652	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2636	8.1030	2.3388	0.0218	0.5634	0.0158	0.5792	0.1622	0.0151	0.1773		2,331.7385	2,331.7385	0.1465		2,335.4020
Worker	0.8778	0.5773	6.6479	0.0204	2.1908	0.0172	2.2080	0.5810	0.0158	0.5968		2,027.7561	2,027.7561	0.0558		2,029.1520
Total	1.1414	8.6803	8.9866	0.0422	2.7542	0.0329	2.7871	0.7432	0.0309	0.7741		4,359.4946	4,359.4946	0.2024		4,364.5540

3.8 Phase 2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143		3,686.0619	3,686.0619	1.1922		3,715.8655

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507
Total	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0380		0.9462	0.9462		0.9462	0.9462	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	0.9312	19.0656	22.9600	0.0380	7.0458	0.9462	7.9920	3.8730	0.9462	4.8191	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507
Total	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507

3.9 Phase 2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	8.6733	1.6349	10.3082	3.5965	1.5041	5.1006		6,011.4105	6,011.4105	1.9442		6,060.0158

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139	206.9139	5.7000e-003		207.0563

Total	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139	206.9139	5.7000e-003		207.0563
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	1.5231	29.9782	36.7226	0.0621		1.2994	1.2994		1.2994	1.2994	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	1.5231	29.9782	36.7226	0.0621	3.3826	1.2994	4.6820	1.4026	1.2994	2.7021	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139	206.9139	5.7000e-003		207.0563
Total	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139	206.9139	5.7000e-003		207.0563

3.10 Phase 2 Building Construction - 2022

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2636	8.1030	2.3388	0.0218	0.5634	0.0158	0.5792	0.1622	0.0151	0.1773		2,331.7385	2,331.7385	0.1465		2,335.4020
Worker	0.8778	0.5773	6.6479	0.0204	2.1908	0.0172	2.2080	0.5810	0.0158	0.5968		2,027.7561	2,027.7561	0.0558		2,029.1520
Total	1.1414	8.6803	8.9866	0.0422	2.7542	0.0329	2.7871	0.7432	0.0309	0.7741		4,359.4946	4,359.4946	0.2024		4,364.5540

Mitigated Construction On-Site

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

Off-Road	0.8448	13.9986	18.0727	0.0269		0.8652	0.8652		0.8652	0.8652	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	0.8448	13.9986	18.0727	0.0269		0.8652	0.8652		0.8652	0.8652	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2636	8.1030	2.3388	0.0218	0.5634	0.0158	0.5792	0.1622	0.0151	0.1773		2,331.7385	2,331.7385	0.1465		2,335.4020
Worker	0.8778	0.5773	6.6479	0.0204	2.1908	0.0172	2.2080	0.5810	0.0158	0.5968		2,027.7561	2,027.7561	0.0558		2,029.1520
Total	1.1414	8.6803	8.9866	0.0422	2.7542	0.0329	2.7871	0.7432	0.0309	0.7741		4,359.4946	4,359.4946	0.2024		4,364.5540

3.10 Phase 2 Building Construction - 2023

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1959	6.1370	2.0782	0.0211	0.5634	7.4900e-003	0.5709	0.1622	7.1600e-003	0.1694		2,259.3235	2,259.3235	0.1290			2,262.5487
Worker	0.8270	0.5221	6.1106	0.0196	2.1908	0.0167	2.2075	0.5810	0.0153	0.5964		1,953.5723	1,953.5723	0.0503			1,954.8292
Total	1.0228	6.6592	8.1889	0.0407	2.7542	0.0242	2.7784	0.7432	0.0225	0.7657		4,212.8958	4,212.8958	0.1793			4,217.3779

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.8225	13.9563	18.0549	0.0269		0.8565	0.8565		0.8565	0.8565	0.0000	2,555.2099	2,555.2099	0.6079			2,570.4061
Total	0.8225	13.9563	18.0549	0.0269		0.8565	0.8565		0.8565	0.8565	0.0000	2,555.2099	2,555.2099	0.6079			2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1959	6.1370	2.0782	0.0211	0.5634	7.4900e-003	0.5709	0.1622	7.1600e-003	0.1694		2,259.3235	2,259.3235	0.1290		2,262.5487
Worker	0.8270	0.5221	6.1106	0.0196	2.1908	0.0167	2.2075	0.5810	0.0153	0.5964		1,953.5723	1,953.5723	0.0503		1,954.8292
Total	1.0228	6.6592	8.1889	0.0407	2.7542	0.0242	2.7784	0.7432	0.0225	0.7657		4,212.8958	4,212.8958	0.1793		4,217.3779

3.10 Phase 2 Building Construction - 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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.1910	6.1150	2.0152	0.0210	0.5634	7.3600e-003	0.5708	0.1622	7.0300e-003	0.1693		2,250.5610	2,250.5610	0.1271		2,253.7373
Worker	0.7847	0.4760	5.6888	0.0190	2.1908	0.0164	2.2072	0.5810	0.0151	0.5961		1,892.9754	1,892.9754	0.0461		1,894.1270
Total	0.9757	6.5910	7.7040	0.0400	2.7543	0.0238	2.7780	0.7432	0.0222	0.7654		4,143.5364	4,143.5364	0.1731		4,147.8644

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8039	13.9165	18.0406	0.0270		0.8488	0.8488		0.8488	0.8488	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.8039	13.9165	18.0406	0.0270		0.8488	0.8488		0.8488	0.8488	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1910	6.1150	2.0152	0.0210	0.5634	7.3600e-003	0.5708	0.1622	7.0300e-003	0.1693		2,250.5610	2,250.5610	0.1271		2,253.7373
Worker	0.7847	0.4760	5.6888	0.0190	2.1908	0.0164	2.2072	0.5810	0.0151	0.5961		1,892.9754	1,892.9754	0.0461		1,894.1270
Total	0.9757	6.5910	7.7040	0.0400	2.7543	0.0238	2.7780	0.7432	0.0222	0.7654		4,143.5364	4,143.5364	0.1731		4,147.8644

3.10 Phase 2 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1861	6.0632	1.9638	0.0209	0.5634	7.2200e-003	0.5707	0.1622	6.9000e-003	0.1691		2,238.4934	2,238.4934	0.1251		2,241.6220
Worker	0.7475	0.4355	5.2785	0.0183	2.1908	0.0161	2.2069	0.5810	0.0148	0.5958		1,819.6970	1,819.6970	0.0420		1,820.7467
Total	0.9336	6.4987	7.2422	0.0391	2.7543	0.0233	2.7776	0.7433	0.0217	0.7650		4,058.1904	4,058.1904	0.1671		4,062.3686

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7878	13.8778	18.0286	0.0270		0.8422	0.8422		0.8422	0.8422	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.7878	13.8778	18.0286	0.0270		0.8422	0.8422		0.8422	0.8422	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1861	6.0632	1.9638	0.0209	0.5634	7.2200e-003	0.5707	0.1622	6.9000e-003	0.1691		2,238.4934	2,238.4934	0.1251		2,241.6220
Worker	0.7475	0.4355	5.2785	0.0183	2.1908	0.0161	2.2069	0.5810	0.0148	0.5958		1,819.6970	1,819.6970	0.0420		1,820.7467
Total	0.9336	6.4987	7.2422	0.0391	2.7543	0.0233	2.7776	0.7433	0.0217	0.7650		4,058.1904	4,058.1904	0.1671		4,062.3686

3.10 Phase 2 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474	2,556.4744	0.6010		2,571.498
												4				1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1819	6.0069	1.9241	0.0208	0.5635	7.0500e-003	0.5705	0.1622	6.7400e-003	0.1690		2,226.9160	2,226.9160	0.1233		2,229.9973
Worker	0.7157	0.4011	4.9313	0.0176	2.1908	0.0155	2.2064	0.5810	0.0143	0.5953		1,756.4991	1,756.4991	0.0385		1,757.4611
Total	0.8975	6.4080	6.8553	0.0384	2.7543	0.0226	2.7769	0.7433	0.0210	0.7643		3,983.4151	3,983.4151	0.1617		3,987.4584

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7878	13.8778	18.0286	0.0270		0.8422	0.8422		0.8422	0.8422	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.7878	13.8778	18.0286	0.0270		0.8422	0.8422		0.8422	0.8422	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1819	6.0069	1.9241	0.0208	0.5635	7.0500e-003	0.5705	0.1622	6.7400e-003	0.1690		2,226.9160	2,226.9160	0.1233		2,229.9973
Worker	0.7157	0.4011	4.9313	0.0176	2.1908	0.0155	2.2064	0.5810	0.0143	0.5953		1,756.4991	1,756.4991	0.0385		1,757.4611
Total	0.8975	6.4080	6.8553	0.0384	2.7543	0.0226	2.7769	0.7433	0.0210	0.7643		3,983.4151	3,983.4151	0.1617		3,987.4584

3.11 Phase 1A Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1474	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003	155.2922
Total	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003	155.2922

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6055	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922
Total	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922

3.12 Phase 1B Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1474	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922
Total	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6055	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922
Total	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922

3.13 Phase 1A Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day								lb/day						
Archit. Coating	16.3428					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183	281.9062
Total	16.5474	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183	281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1747	0.1149	1.3228	4.0500e-003	0.4359	3.4100e-003	0.4393	0.1156	3.1400e-003	0.1188		403.4821	403.4821	0.0111		403.7598
Total	0.1747	0.1149	1.3228	4.0500e-003	0.4359	3.4100e-003	0.4393	0.1156	3.1400e-003	0.1188		403.4821	403.4821	0.0111		403.7598

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	16.3428						0.0000	0.0000		0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0183		281.9062

Total	16.4022	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0183		281.9062
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1747	0.1149	1.3228	4.0500e-003	0.4359	3.4100e-003	0.4393	0.1156	3.1400e-003	0.1188		403.4821	403.4821	0.0111		403.7598
Total	0.1747	0.1149	1.3228	4.0500e-003	0.4359	3.4100e-003	0.4393	0.1156	3.1400e-003	0.1188		403.4821	403.4821	0.0111		403.7598

3.14 Phase 1B Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	18.9345					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	19.1390	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1747	0.1149	1.3228	4.0500e-003	0.4359	3.4100e-003	0.4393	0.1156	3.1400e-003	0.1188		403.4821	403.4821	0.0111		403.7598
Total	0.1747	0.1149	1.3228	4.0500e-003	0.4359	3.4100e-003	0.4393	0.1156	3.1400e-003	0.1188		403.4821	403.4821	0.0111		403.7598

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	18.9345					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0183		281.9062
Total	18.9939	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1747	0.1149	1.3228	4.0500e-003	0.4359	3.4100e-003	0.4393	0.1156	3.1400e-003	0.1188		403.4821	403.4821	0.0111	403.7598
Total	0.1747	0.1149	1.3228	4.0500e-003	0.4359	3.4100e-003	0.4393	0.1156	3.1400e-003	0.1188		403.4821	403.4821	0.0111	403.7598

3.15 Phase 2 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0265					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9417	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0548	0.0307	0.3774	1.3500e-003	0.1677	1.1900e-003	0.1689	0.0445	1.0900e-003	0.0456		134.4260	134.4260	2.9400e-003		134.4996

Total	0.0548	0.0307	0.3774	1.3500e-003	0.1677	1.1900e-003	0.1689	0.0445	1.0900e-003	0.0456		134.4260	134.4260	2.9400e-003		134.4996
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0265					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5875	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0548	0.0307	0.3774	1.3500e-003	0.1677	1.1900e-003	0.1689	0.0445	1.0900e-003	0.0456		134.4260	134.4260	2.9400e-003		134.4996
Total	0.0548	0.0307	0.3774	1.3500e-003	0.1677	1.1900e-003	0.1689	0.0445	1.0900e-003	0.0456		134.4260	134.4260	2.9400e-003		134.4996

3.16 Phase 2 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	15.4891					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	15.6600	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1424	0.0798	0.9812	3.5000e-003	0.4359	3.0900e-003	0.4390	0.1156	2.8500e-003	0.1185		349.5075	349.5075	7.6600e-003		349.6989
Total	0.1424	0.0798	0.9812	3.5000e-003	0.4359	3.0900e-003	0.4390	0.1156	2.8500e-003	0.1185		349.5075	349.5075	7.6600e-003		349.6989

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	15.4891					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	15.5485	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1424	0.0798	0.9812	3.5000e-003	0.4359	3.0900e-003	0.4390	0.1156	2.8500e-003	0.1185		349.5075	349.5075	7.6600e-003		349.6989
Total	0.1424	0.0798	0.9812	3.5000e-003	0.4359	3.0900e-003	0.4390	0.1156	2.8500e-003	0.1185		349.5075	349.5075	7.6600e-003		349.6989

4.0 Operational Detail - Mobile

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	8.0817	37.5860	103.3756	0.4320	41.2253	0.3310	41.5563	11.0294	0.3073	11.3367		44,138.3796	44,138.3796	2.0470	44,189.5550
Unmitigated	8.0817	37.5860	103.3756	0.4320	41.2253	0.3310	41.5563	11.0294	0.3073	11.3367		44,138.3796	44,138.3796	2.0470	44,189.5550

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hospital	2,826.57	2,176.59	1905.05	10,087,805	10,087,805
Medical Office Building	3,251.70	806.40	139.50	6,375,111	6,375,111
Parking Lot	0.00	0.00	0.00		
Total	6,078.27	2,982.99	2,044.55	16,462,916	16,462,916

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	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
Enclosed Parking with Elevator	0.544210	0.044379	0.208611	0.117175	0.014456	0.006301	0.020907	0.032661	0.002589	0.001903	0.005267	0.000705	0.000834
Hospital	0.544210	0.044379	0.208611	0.117175	0.014456	0.006301	0.020907	0.032661	0.002589	0.001903	0.005267	0.000705	0.000834
Medical Office Building	0.544210	0.044379	0.208611	0.117175	0.014456	0.006301	0.020907	0.032661	0.002589	0.001903	0.005267	0.000705	0.000834
Parking Lot	0.544210	0.044379	0.208611	0.117175	0.014456	0.006301	0.020907	0.032661	0.002589	0.001903	0.005267	0.000705	0.000834

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.4368	3.9708	3.3355	0.0238		0.3018	0.3018		0.3018	0.3018		4,764.9430	4,764.9430	0.0913	0.0874	4,793.2587
NaturalGas Unmitigated	0.4368	3.9708	3.3355	0.0238		0.3018	0.3018		0.3018	0.3018		4,764.9430	4,764.9430	0.0913	0.0874	4,793.2587

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	37935.2	0.4091	3.7191	3.1241	0.0223		0.2827	0.2827		0.2827	0.2827		4,462.9607	4,462.9607	0.0855	0.0818	4,489.4819
Medical Office Building	2566.85	0.0277	0.2517	0.2114	1.5100e-003		0.0191	0.0191		0.0191	0.0191		301.9823	301.9823	5.7900e-003	5.5400e-003	303.7768
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.4368	3.9708	3.3355	0.0238		0.3018	0.3018		0.3018	0.3018		4,764.9430	4,764.9430	0.0913	0.0874	4,793.2587

Mitigated

	Natural Gas 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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	37.9352	0.4091	3.7191	3.1241	0.0223		0.2827	0.2827		0.2827	0.2827		4,462.9607	4,462.9607	0.0855	0.0818	4,489.4819
Medical Office Building	2.56685	0.0277	0.2517	0.2114	1.5100e-003		0.0191	0.0191		0.0191	0.0191		301.9823	301.9823	5.7900e-003	5.5400e-003	303.7768
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.4368	3.9708	3.3355	0.0238		0.3018	0.3018		0.3018	0.3018		4,764.9430	4,764.9430	0.0913	0.0874	4,793.2587

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.8960	7.7000e-004	0.0854	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1836	0.1836	4.8000e-004		0.1955
Unmitigated	6.8960	7.7000e-004	0.0854	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1836	0.1836	4.8000e-004		0.1955

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	0.7895					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0987					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.8700e-003	7.7000e-004	0.0854	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1836	0.1836	4.8000e-004		0.1955
Total	6.8960	7.7000e-004	0.0854	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1836	0.1836	4.8000e-004		0.1955

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	0.7895					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0987					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.8700e-003	7.7000e-004	0.0854	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1836	0.1836	4.8000e-004		0.1955
Total	6.8960	7.7000e-004	0.0854	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1836	0.1836	4.8000e-004		0.1955

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

QVHSP Long Range Project Construction - Los Angeles-South Coast County, Annual

QVHSP Long Range Project Construction
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	132.00	1000sqft	3.03	132,000.00	0
Medical Office Building	90.00	1000sqft	2.07	90,000.00	0
Enclosed Parking with Elevator	500.00	Space	4.50	200,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Default

Architectural Coating - Super Compliant Paints (10 g/L or less)

Construction Off-road Equipment Mitigation - Tier 3 Mitigation

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Parking	100.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2028	0.2555	2.3041	2.6461	6.8600e-003	0.3841	0.0773	0.4614	0.1450	0.0724	0.2174	0.0000	617.2570	617.2570	0.0918	0.0000	619.5526
2029	0.1371	0.2719	0.3816	8.6000e-004	0.0264	0.0102	0.0365	7.1000e-003	9.5000e-003	0.0166	0.0000	76.8522	76.8522	0.0132	0.0000	77.1813
Maximum	0.2555	2.3041	2.6461	6.8600e-003	0.3841	0.0773	0.4614	0.1450	0.0724	0.2174	0.0000	617.2570	617.2570	0.0918	0.0000	619.5526

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					
2028	0.1673	2.4076	2.9725	6.8600e-003	0.2890	0.1111	0.4001	0.0942	0.1109	0.2051	0.0000	617.2566	617.2566	0.0918	0.0000	619.5522
2029	0.1267	0.3153	0.4285	8.6000e-004	0.0264	0.0157	0.0420	7.1000e-003	0.0156	0.0227	0.0000	76.8521	76.8521	0.0132	0.0000	77.1813
Maximum	0.1673	2.4076	2.9725	6.8600e-003	0.2890	0.1111	0.4001	0.0942	0.1109	0.2051	0.0000	617.2566	617.2566	0.0918	0.0000	619.5522

	ROG	NOx	CO	SO2	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	25.13	-5.70	-12.33	0.00	23.16	-44.87	11.21	33.42	-54.62	2.61	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2028	3-31-2028	0.6672	0.6016
2	4-1-2028	6-30-2028	0.6278	0.6548

3	7-1-2028	9-30-2028	0.6347	0.6620
4	10-1-2028	12-31-2028	0.6372	0.6644
5	1-1-2029	3-31-2029	0.3952	0.4275
		Highest	0.6672	0.6644

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9216	8.0000e-005	9.1600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0179	0.0179	5.0000e-005	0.0000	0.0191
Energy	0.0512	0.4650	0.3906	2.7900e-003		0.0353	0.0353		0.0353	0.0353	0.0000	2,211.8563	2,211.8563	0.0801	0.0239	2,220.9663
Mobile	0.6717	4.0529	8.7710	0.0454	4.7828	0.0233	4.8061	1.2815	0.0216	1.3031	0.0000	4,230.8577	4,230.8577	0.1676	0.0000	4,235.0481
Waste						0.0000	0.0000		0.0000	0.0000	486.6911	0.0000	486.6911	28.7626	0.0000	1,205.7567
Water						0.0000	0.0000		0.0000	0.0000	8.8376	134.3537	143.1913	0.9133	0.0226	172.7518
Total	1.6444	4.5179	9.1707	0.0482	4.7828	0.0587	4.8414	1.2815	0.0570	1.3385	495.5288	6,577.0856	7,072.6144	29.9237	0.0464	7,834.5420

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9216	8.0000e-005	9.1600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0179	0.0179	5.0000e-005	0.0000	0.0191
Energy	0.0512	0.4650	0.3906	2.7900e-003		0.0353	0.0353		0.0353	0.0353	0.0000	2,211.8563	2,211.8563	0.0801	0.0239	2,220.9663

Mobile	0.6717	4.0529	8.7710	0.0454	4.7828	0.0233	4.8061	1.2815	0.0216	1.3031	0.0000	4,230.8577	4,230.8577	0.1676	0.0000	4,235.0481
Waste						0.0000	0.0000		0.0000	0.0000	486.6911	0.0000	486.6911	28.7626	0.0000	1,205.7567
Water						0.0000	0.0000		0.0000	0.0000	8.8376	134.3537	143.1913	0.9133	0.0226	172.7518
Total	1.6444	4.5179	9.1707	0.0482	4.7828	0.0587	4.8414	1.2815	0.0570	1.3385	495.5288	6,577.0856	7,072.6144	29.9237	0.0464	7,834.5420

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2028	1/28/2028	5	20	
2	Site Preparation	Site Preparation	1/29/2028	2/11/2028	5	10	
3	Grading	Grading	2/12/2028	3/10/2028	5	20	
4	Building Construction	Building Construction	3/11/2028	1/26/2029	5	230	
5	Paving	Paving	1/27/2029	2/23/2029	5	20	
6	Architectural Coating	Architectural Coating	2/24/2029	3/23/2029	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 4.5

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 333,000; Non-Residential Outdoor: 111,000; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	155.00	69.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	31.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0209	0.1920	0.1942	3.9000e-004		8.5300e-003	8.5300e-003		7.9200e-003	7.9200e-003	0.0000	33.9977	33.9977	9.4900e-003	0.0000	34.2350
Total	0.0209	0.1920	0.1942	3.9000e-004		8.5300e-003	8.5300e-003		7.9200e-003	7.9200e-003	0.0000	33.9977	33.9977	9.4900e-003	0.0000	34.2350

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	2.7000e-004	3.4200e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.1652	1.1652	2.0000e-005	0.0000	1.1658
Total	4.4000e-004	2.7000e-004	3.4200e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.1652	1.1652	2.0000e-005	0.0000	1.1658

Mitigated Construction On-Site

Off-Road	0.0124	0.1262	0.0896	1.9000e-004		5.4300e-003	5.4300e-003		5.0000e-003	5.0000e-003	0.0000	16.7335	16.7335	5.4100e-003	0.0000	16.8688
Total	0.0124	0.1262	0.0896	1.9000e-004	0.0903	5.4300e-003	0.0958	0.0497	5.0000e-003	0.0547	0.0000	16.7335	16.7335	5.4100e-003	0.0000	16.8688

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	1.6000e-004	2.0500e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.6991	0.6991	1.0000e-005	0.0000	0.6995
Total	2.7000e-004	1.6000e-004	2.0500e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.6991	0.6991	1.0000e-005	0.0000	0.6995

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0352	0.0000	0.0352	0.0194	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6600e-003	0.0953	0.1148	1.9000e-004		4.7300e-003	4.7300e-003		4.7300e-003	4.7300e-003	0.0000	16.7335	16.7335	5.4100e-003	0.0000	16.8688
Total	4.6600e-003	0.0953	0.1148	1.9000e-004	0.0352	4.7300e-003	0.0400	0.0194	4.7300e-003	0.0241	0.0000	16.7335	16.7335	5.4100e-003	0.0000	16.8688

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	1.6000e-004	2.0500e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.6991	0.6991	1.0000e-005	0.0000	0.6995
Total	2.7000e-004	1.6000e-004	2.0500e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.6991	0.6991	1.0000e-005	0.0000	0.6995

3.4 Grading - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0152	0.1532	0.1454	3.0000e-004		6.2400e-003	6.2400e-003		5.7400e-003	5.7400e-003	0.0000	26.0698	26.0698	8.4300e-003	0.0000	26.2806
Total	0.0152	0.1532	0.1454	3.0000e-004	0.0655	6.2400e-003	0.0718	0.0337	5.7400e-003	0.0394	0.0000	26.0698	26.0698	8.4300e-003	0.0000	26.2806

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	2.7000e-004	3.4200e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.1652	1.1652	2.0000e-005	0.0000	1.1658
Total	4.4000e-004	2.7000e-004	3.4200e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.1652	1.1652	2.0000e-005	0.0000	1.1658

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0256	0.0000	0.0256	0.0131	0.0000	0.0131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.2600e-003	0.1484	0.1899	3.0000e-004		7.5600e-003	7.5600e-003		7.5600e-003	7.5600e-003	0.0000	26.0698	26.0698	8.4300e-003	0.0000	26.2806
Total	7.2600e-003	0.1484	0.1899	3.0000e-004	0.0256	7.5600e-003	0.0331	0.0131	7.5600e-003	0.0207	0.0000	26.0698	26.0698	8.4300e-003	0.0000	26.2806

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Worker	4.4000e-004	2.7000e-004	3.4200e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.1652	1.1652	2.0000e-005	0.0000	1.1658
Total	4.4000e-004	2.7000e-004	3.4200e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.1652	1.1652	2.0000e-005	0.0000	1.1658

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1436	1.3093	1.6889	2.8300e-003		0.0554	0.0554		0.0521	0.0521	0.0000	243.5154	243.5154	0.0572	0.0000	244.9465
Total	0.1436	1.3093	1.6889	2.8300e-003		0.0554	0.0554		0.0521	0.0521	0.0000	243.5154	243.5154	0.0572	0.0000	244.9465

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0140	0.4937	0.1477	1.7200e-003	0.0456	5.5000e-004	0.0462	0.0132	5.2000e-004	0.0137	0.0000	167.4823	167.4823	8.6800e-003	0.0000	167.6994
Worker	0.0482	0.0292	0.3715	1.4000e-003	0.1783	1.1300e-003	0.1795	0.0474	1.0400e-003	0.0484	0.0000	126.4287	126.4287	2.5000e-003	0.0000	126.4911
Total	0.0622	0.5228	0.5192	3.1200e-003	0.2240	1.6800e-003	0.2257	0.0605	1.5600e-003	0.0621	0.0000	293.9110	293.9110	0.0112	0.0000	294.1906

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0827	1.4572	1.8930	2.8300e-003		0.0884	0.0884		0.0884	0.0884	0.0000	243.5151	243.5151	0.0572	0.0000	244.9462
Total	0.0827	1.4572	1.8930	2.8300e-003		0.0884	0.0884		0.0884	0.0884	0.0000	243.5151	243.5151	0.0572	0.0000	244.9462

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0140	0.4937	0.1477	1.7200e-003	0.0456	5.5000e-004	0.0462	0.0132	5.2000e-004	0.0137	0.0000	167.4823	167.4823	8.6800e-003	0.0000	167.6994
Worker	0.0482	0.0292	0.3715	1.4000e-003	0.1783	1.1300e-003	0.1795	0.0474	1.0400e-003	0.0484	0.0000	126.4287	126.4287	2.5000e-003	0.0000	126.4911
Total	0.0622	0.5228	0.5192	3.1200e-003	0.2240	1.6800e-003	0.2257	0.0605	1.5600e-003	0.0621	0.0000	293.9110	293.9110	0.0112	0.0000	294.1906

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr				
	Off-Road	0.0137	0.1247	0.1609	2.7000e-004	5.2800e-003	5.2800e-003	4.9600e-003	4.9600e-003	0.0000	23.1920	23.1920	5.4500e-003	0.0000	23.3282
Total	0.0137	0.1247	0.1609	2.7000e-004	5.2800e-003	5.2800e-003	4.9600e-003	4.9600e-003	0.0000	23.1920	23.1920	5.4500e-003	0.0000	23.3282	

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3200e-003	0.0467	0.0139	1.6000e-004	4.3500e-003	5.0000e-005	4.4000e-003	1.2500e-003	5.0000e-005	1.3000e-003	0.0000	15.8926	15.8926	8.2000e-004	0.0000	15.9130
Worker	4.3200e-003	2.5600e-003	0.0332	1.3000e-004	0.0170	1.0000e-004	0.0171	4.5100e-003	9.0000e-005	4.6000e-003	0.0000	11.7177	11.7177	2.2000e-004	0.0000	11.7231
Total	5.6400e-003	0.0492	0.0470	2.9000e-004	0.0213	1.5000e-004	0.0215	5.7600e-003	1.4000e-004	5.9000e-003	0.0000	27.6102	27.6102	1.0400e-003	0.0000	27.6361

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.8800e-003	0.1388	0.1803	2.7000e-004		8.4200e-003	8.4200e-003		8.4200e-003	8.4200e-003	0.0000	23.1919	23.1919	5.4500e-003	0.0000	23.3282
Total	7.8800e-003	0.1388	0.1803	2.7000e-004		8.4200e-003	8.4200e-003		8.4200e-003	8.4200e-003	0.0000	23.1919	23.1919	5.4500e-003	0.0000	23.3282

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3200e-003	0.0467	0.0139	1.6000e-004	4.3500e-003	5.0000e-005	4.4000e-003	1.2500e-003	5.0000e-005	1.3000e-003	0.0000	15.8926	15.8926	8.2000e-004	0.0000	15.9130
Worker	4.3200e-003	2.5600e-003	0.0332	1.3000e-004	0.0170	1.0000e-004	0.0171	4.5100e-003	9.0000e-005	4.6000e-003	0.0000	11.7177	11.7177	2.2000e-004	0.0000	11.7231
Total	5.6400e-003	0.0492	0.0470	2.9000e-004	0.0213	1.5000e-004	0.0215	5.7600e-003	1.4000e-004	5.9000e-003	0.0000	27.6102	27.6102	1.0400e-003	0.0000	27.6361

3.6 Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.1500e-003	0.0858	0.1458	2.3000e-004		4.1900e-003	4.1900e-003		3.8500e-003	3.8500e-003	0.0000	20.0193	20.0193	6.4700e-003	0.0000	20.1811
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.1500e-003	0.0858	0.1458	2.3000e-004		4.1900e-003	4.1900e-003		3.8500e-003	3.8500e-003	0.0000	20.0193	20.0193	6.4700e-003	0.0000	20.1811

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	2.5000e-004	3.2100e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.1340	1.1340	2.0000e-005	0.0000	1.1345
Total	4.2000e-004	2.5000e-004	3.2100e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.1340	1.1340	2.0000e-005	0.0000	1.1345

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.6100e-003	0.1130	0.1730	2.3000e-004		6.0900e-003	6.0900e-003		6.0900e-003	6.0900e-003	0.0000	20.0192	20.0192	6.4700e-003	0.0000	20.1811
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.6100e-003	0.1130	0.1730	2.3000e-004		6.0900e-003	6.0900e-003		6.0900e-003	6.0900e-003	0.0000	20.0192	20.0192	6.4700e-003	0.0000	20.1811

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	2.5000e-004	3.2100e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.1340	1.1340	2.0000e-005	0.0000	1.1345
Total	4.2000e-004	2.5000e-004	3.2100e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.1340	1.1340	2.0000e-005	0.0000	1.1345

3.7 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1057						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7100e-003	0.0115	0.0181	3.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5567
Total	0.1074	0.0115	0.0181	3.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5567

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6000e-004	5.1000e-004	6.6300e-003	3.0000e-005	3.4000e-003	2.0000e-005	3.4200e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	2.3435	2.3435	4.0000e-005	0.0000	2.3446

Total	8.6000e-004	5.1000e-004	6.6300e-003	3.0000e-005	3.4000e-003	2.0000e-005	3.4200e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	2.3435	2.3435	4.0000e-005	0.0000	2.3446
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1057					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.9000e-004	0.0136	0.0183	3.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5567
Total	0.1063	0.0136	0.0183	3.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5567

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6000e-004	5.1000e-004	6.6300e-003	3.0000e-005	3.4000e-003	2.0000e-005	3.4200e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	2.3435	2.3435	4.0000e-005	0.0000	2.3446
Total	8.6000e-004	5.1000e-004	6.6300e-003	3.0000e-005	3.4000e-003	2.0000e-005	3.4200e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	2.3435	2.3435	4.0000e-005	0.0000	2.3446

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6717	4.0529	8.7710	0.0454	4.7828	0.0233	4.8061	1.2815	0.0216	1.3031	0.0000	4,230.8577	4,230.8577	0.1676	0.0000	4,235.0481
Unmitigated	0.6717	4.0529	8.7710	0.0454	4.7828	0.0233	4.8061	1.2815	0.0216	1.3031	0.0000	4,230.8577	4,230.8577	0.1676	0.0000	4,235.0481

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hospital	1,745.04	1,343.76	1176.12	6,227,914	6,227,914
Medical Office Building	3,251.70	806.40	139.50	6,375,111	6,375,111
Total	4,996.74	2,150.16	1,315.62	12,603,025	12,603,025

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Hospital	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Medical Office Building	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,705.6888	1,705.6888	0.0704	0.0146	1,711.7910
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,705.6888	1,705.6888	0.0704	0.0146	1,711.7910
NaturalGas Mitigated	0.0512	0.4650	0.3906	2.7900e-003		0.0353	0.0353		0.0353	0.0353	0.0000	506.1675	506.1675	9.7000e-003	9.2800e-003	509.1754
NaturalGas Unmitigated	0.0512	0.4650	0.3906	2.7900e-003		0.0353	0.0353		0.0353	0.0353	0.0000	506.1675	506.1675	9.7000e-003	9.2800e-003	509.1754

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	8.54832e+006	0.0461	0.4190	0.3520	2.5100e-003		0.0319	0.0319		0.0319	0.0319	0.0000	456.1709	456.1709	8.7400e-003	8.3600e-003	458.8817
Medical Office Building	936900	5.0500e-003	0.0459	0.0386	2.8000e-004		3.4900e-003	3.4900e-003		3.4900e-003	3.4900e-003	0.0000	49.9966	49.9966	9.6000e-004	9.2000e-004	50.2937

Total		0.0511	0.4650	0.3906	2.7900e-003		0.0353	0.0353		0.0353	0.0353	0.0000	506.1675	506.1675	9.7000e-003	9.2800e-003	509.1754
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Mitigated

	Natural Gas 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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	8.54832e+006	0.0461	0.4190	0.3520	2.5100e-003		0.0319	0.0319		0.0319	0.0319	0.0000	456.1709	456.1709	8.7400e-003	8.3600e-003	458.8817
Medical Office Building	936900	5.0500e-003	0.0459	0.0386	2.8000e-004		3.4900e-003	3.4900e-003		3.4900e-003	3.4900e-003	0.0000	49.9966	49.9966	9.6000e-004	9.2000e-004	50.2937
Total		0.0511	0.4650	0.3906	2.7900e-003		0.0353	0.0353		0.0353	0.0353	0.0000	506.1675	506.1675	9.7000e-003	9.2800e-003	509.1754

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.172e+006	373.4243	0.0154	3.1900e-003	374.7603
Hospital	3.01224e+006	959.7642	0.0396	8.2000e-003	963.1978
Medical Office Building	1.1691e+006	372.5003	0.0154	3.1800e-003	373.8329
Total		1,705.6888	0.0704	0.0146	1,711.7910

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.172e+006	373.4243	0.0154	3.1900e-003	374.7603
Hospital	3.01224e+006	959.7642	0.0396	8.2000e-003	963.1978
Medical Office Building	1.1691e+006	372.5003	0.0154	3.1800e-003	373.8329
Total		1,705.6888	0.0704	0.0146	1,711.7910

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.9216	8.0000e-005	9.1600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0179	0.0179	5.0000e-005	0.0000	0.0191
Unmitigated	0.9216	8.0000e-005	9.1600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0179	0.0179	5.0000e-005	0.0000	0.0191

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	0.1057					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.4000e-004	8.0000e-005	9.1600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0179	0.0179	5.0000e-005	0.0000	0.0191
Total	0.9217	8.0000e-005	9.1600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0179	0.0179	5.0000e-005	0.0000	0.0191

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	0.1057					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.4000e-004	8.0000e-005	9.1600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0179	0.0179	5.0000e-005	0.0000	0.0191
Total	0.9217	8.0000e-005	9.1600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0179	0.0179	5.0000e-005	0.0000	0.0191

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	143.1913	0.9133	0.0226	172.7518
Unmitigated	143.1913	0.9133	0.0226	172.7518

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hospital	16.5634 / 3.15494	85.1408	0.5430	0.0134	102.7173
Medical Office Building	11.2932 / 2.15109	58.0505	0.3702	9.1500e-003	70.0345
Total		143.1913	0.9133	0.0226	172.7518

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000

Hospital	16.5634 / 3.15494	85.1408	0.5430	0.0134	102.7173
Medical Office Building	11.2932 / 2.15109	58.0505	0.3702	9.1500e- 003	70.0345
Total		143.1913	0.9133	0.0226	172.7518

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	486.6911	28.7626	0.0000	1,205.7567
Unmitigated	486.6911	28.7626	0.0000	1,205.7567

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hospital	1425.6	289.3839	17.1021	0.0000	716.9364

Medical Office Building	972	197.3072	11.6605	0.0000	488.8203
Total		486.6911	28.7626	0.0000	1,205.7567

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hospital	1425.6	289.3839	17.1021	0.0000	716.9364
Medical Office Building	972	197.3072	11.6605	0.0000	488.8203
Total		486.6911	28.7626	0.0000	1,205.7567

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

QVHSP Long Range Project Construction - Los Angeles-South Coast County, Winter

QVHSP Long Range Project Construction
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	132.00	1000sqft	3.03	132,000.00	0
Medical Office Building	90.00	1000sqft	2.07	90,000.00	0
Enclosed Parking with Elevator	500.00	Space	4.50	200,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase - Default
- Architectural Coating - Unmitigated Scenario
- Construction Off-road Equipment Mitigation - Tier 3 Mitigation
- Area Mitigation -
- Vehicle Trips -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2028	2.5325	25.2653	20.9867	0.0562	18.2675	1.0880	19.3555	9.9840	1.0010	10.9850	0.0000	5,593.0055	5,593.0055	1.1961	0.0000	5,611.0181
2029	105.9458	17.3142	20.7514	0.0557	2.1744	0.5428	2.7171	0.5867	0.5104	1.0971	0.0000	5,551.7251	5,551.7251	0.7171	0.0000	5,569.6536
Maximum	105.9458	25.2653	20.9867	0.0562	18.2675	1.0880	19.3555	9.9840	1.0010	10.9850	0.0000	5,593.0055	5,593.0055	1.1961	0.0000	5,611.0181

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2028	1.4401	19.0970	25.0066	0.0562	7.2470	0.9474	8.1945	3.9263	0.9473	4.8737	0.0000	5,593.0055	5,593.0055	1.1961	0.0000	5,611.0181
2029	105.8344	18.7223	22.6953	0.0557	2.1744	0.8574	3.0318	0.5867	0.8564	1.4431	0.0000	5,551.7251	5,551.7251	0.7171	0.0000	5,569.6536
Maximum	105.8344	19.0970	25.0066	0.0562	7.2470	0.9474	8.1945	3.9263	0.9473	4.8737	0.0000	5,593.0055	5,593.0055	1.1961	0.0000	5,611.0181

	ROG	NOx	CO	SO2	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	1.11	11.18	-14.29	0.00	53.91	-10.67	49.14	57.31	-19.34	47.72	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

1	Demolition	Demolition	1/1/2028	1/28/2028	5	20
2	Site Preparation	Site Preparation	1/29/2028	2/11/2028	5	10
3	Grading	Grading	2/12/2028	3/10/2028	5	20
4	Building Construction	Building Construction	3/11/2028	1/26/2029	5	230
5	Paving	Paving	1/27/2029	2/23/2029	5	20
6	Architectural Coating	Architectural Coating	2/24/2029	3/23/2029	5	20

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 4.5

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 333,000; Non-Residential Outdoor: 111,000; Striped Parking Area:

OffRoad Equipment

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

Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	155.00	69.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	31.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0498	0.0262	0.3328	1.2700e-003	0.1677	1.0400e-003	0.1687	0.0445	9.6000e-004	0.0454		126.3443	126.3443	2.4900e-003		126.4066
Total	0.0498	0.0262	0.3328	1.2700e-003	0.1677	1.0400e-003	0.1687	0.0445	9.6000e-004	0.0454		126.3443	126.3443	2.4900e-003		126.4066

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9246	18.3130	24.6739	0.0388		0.8627	0.8627		0.8627	0.8627	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	0.9246	18.3130	24.6739	0.0388		0.8627	0.8627		0.8627	0.8627	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0498	0.0262	0.3328	1.2700e-003	0.1677	1.0400e-003	0.1687	0.0445	9.6000e-004	0.0454		126.3443	126.3443	2.4900e-003	126.4066	
Total	0.0498	0.0262	0.3328	1.2700e-003	0.1677	1.0400e-003	0.1687	0.0445	9.6000e-004	0.0454		126.3443	126.3443	2.4900e-003	126.4066	

3.3 Site Preparation - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	2.4727	25.2339	17.9118	0.0381	18.0663	1.0868	19.1531	9.9307	0.9999	10.9305		3,689.1037	3,689.1037	1.1931		3,718.9320

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0598	0.0314	0.3993	1.5200e-003	0.2012	1.2500e-003	0.2025	0.0534	1.1500e-003	0.0545		151.6131	151.6131	2.9900e-003		151.6879
Total	0.0598	0.0314	0.3993	1.5200e-003	0.2012	1.2500e-003	0.2025	0.0534	1.1500e-003	0.0545		151.6131	151.6131	2.9900e-003		151.6879

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0381		0.9462	0.9462		0.9462	0.9462	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	0.9312	19.0656	22.9600	0.0381	7.0458	0.9462	7.9920	3.8730	0.9462	4.8191	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0598	0.0314	0.3993	1.5200e-003	0.2012	1.2500e-003	0.2025	0.0534	1.1500e-003	0.0545		151.6131	151.6131	2.9900e-003		151.6879
Total	0.0598	0.0314	0.3993	1.5200e-003	0.2012	1.2500e-003	0.2025	0.0534	1.1500e-003	0.0545		151.6131	151.6131	2.9900e-003		151.6879

3.4 Grading - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.5227	15.3148	14.5402	0.0297		0.6236	0.6236		0.5737	0.5737		2,873.7052	2,873.7052	0.9294		2,896.9405
Total	1.5227	15.3148	14.5402	0.0297	6.5523	0.6236	7.1759	3.3675	0.5737	3.9412		2,873.7052	2,873.7052	0.9294		2,896.9405

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0498	0.0262	0.3328	1.2700e-003	0.1677	1.0400e-003	0.1687	0.0445	9.6000e-004	0.0454		126.3443	126.3443	2.4900e-003		126.4066
Total	0.0498	0.0262	0.3328	1.2700e-003	0.1677	1.0400e-003	0.1687	0.0445	9.6000e-004	0.0454		126.3443	126.3443	2.4900e-003		126.4066

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000		0.0000
Off-Road	0.7263	14.8397	18.9906	0.0297		0.7555	0.7555		0.7555	0.7555	0.0000	2,873.7052	2,873.7052	0.9294	2,896.9405
Total	0.7263	14.8397	18.9906	0.0297	2.5554	0.7555	3.3110	1.3133	0.7555	2.0689	0.0000	2,873.7052	2,873.7052	0.9294	2,896.9405

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0498	0.0262	0.3328	1.2700e-003	0.1677	1.0400e-003	0.1687	0.0445	9.6000e-004	0.0454		126.3443	126.3443	2.4900e-003		126.4066
Total	0.0498	0.0262	0.3328	1.2700e-003	0.1677	1.0400e-003	0.1687	0.0445	9.6000e-004	0.0454		126.3443	126.3443	2.4900e-003		126.4066

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1374	4.6318	1.4635	0.0161	0.4418	5.3100e-003	0.4471	0.1272	5.0800e-003	0.1323		1,730.9737	1,730.9737	0.0938		1,733.3185
Worker	0.5149	0.2704	3.4386	0.0131	1.7325	0.0108	1.7433	0.4595	9.9100e-003	0.4694		1,305.5575	1,305.5575	0.0258		1,306.2015
Total	0.6523	4.9022	4.9021	0.0292	2.1744	0.0161	2.1904	0.5867	0.0150	0.6017		3,036.5312	3,036.5312	0.1196		3,039.5200

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7878	13.8778	18.0286	0.0270		0.8422	0.8422		0.8422	0.8422	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.7878	13.8778	18.0286	0.0270		0.8422	0.8422		0.8422	0.8422	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1374	4.6318	1.4635	0.0161	0.4418	5.3100e-003	0.4471	0.1272	5.0800e-003	0.1323		1,730.9737	1,730.9737	0.0938		1,733.3185
Worker	0.5149	0.2704	3.4386	0.0131	1.7325	0.0108	1.7433	0.4595	9.9100e-003	0.4694		1,305.5575	1,305.5575	0.0258		1,306.2015
Total	0.6523	4.9022	4.9021	0.0292	2.1744	0.0161	2.1904	0.5867	0.0150	0.6017		3,036.5312	3,036.5312	0.1196		3,039.5200

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1351	4.5960	1.4446	0.0161	0.4418	5.1900e-003	0.4470	0.1272	4.9600e-003	0.1322		1,724.7532	1,724.7532	0.0926		1,727.0677
Worker	0.4847	0.2485	3.2221	0.0127	1.7325	0.0100	1.7426	0.4595	9.2200e-003	0.4687		1,270.4976	1,270.4976	0.0236		1,271.0877
Total	0.6198	4.8446	4.6667	0.0288	2.1744	0.0152	2.1896	0.5867	0.0142	0.6009		2,995.2507	2,995.2507	0.1162		2,998.1555

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7878	13.8778	18.0286	0.0270		0.8422	0.8422		0.8422	0.8422	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.7878	13.8778	18.0286	0.0270		0.8422	0.8422		0.8422	0.8422	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1351	4.5960	1.4446	0.0161	0.4418	5.1900e-003	0.4470	0.1272	4.9600e-003	0.1322		1,724.7532	1,724.7532	0.0926		1,727.0677
Worker	0.4847	0.2485	3.2221	0.0127	1.7325	0.0100	1.7426	0.4595	9.2200e-003	0.4687		1,270.4976	1,270.4976	0.0236		1,271.0877

Total	0.6198	4.8446	4.6667	0.0288	2.1744	0.0152	2.1896	0.5867	0.0142	0.6009		2,995.2507	2,995.2507	0.1162		2,998.1555
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3.6 Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0469	0.0241	0.3118	1.2300e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		122.9514	122.9514	2.2800e-003		123.0085
Total	0.0469	0.0241	0.3118	1.2300e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		122.9514	122.9514	2.2800e-003		123.0085

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0469	0.0241	0.3118	1.2300e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		122.9514	122.9514	2.2800e-003		123.0085
Total	0.0469	0.0241	0.3118	1.2300e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		122.9514	122.9514	2.2800e-003		123.0085

3.7 Architectural Coating - 2029

Unmitigated Construction On-Site

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

Archit. Coating	105.6780					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	105.8489	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0969	0.0497	0.6444	2.5500e-003	0.3465	2.0000e-003	0.3485	0.0919	1.8400e-003	0.0937		254.0995	254.0995	4.7200e-003		254.2176
Total	0.0969	0.0497	0.6444	2.5500e-003	0.3465	2.0000e-003	0.3485	0.0919	1.8400e-003	0.0937		254.0995	254.0995	4.7200e-003		254.2176

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	105.6780					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	105.7374	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0969	0.0497	0.6444	2.5500e-003	0.3465	2.0000e-003	0.3485	0.0919	1.8400e-003	0.0937		254.0995	254.0995	4.7200e-003		254.2176
Total	0.0969	0.0497	0.6444	2.5500e-003	0.3465	2.0000e-003	0.3485	0.0919	1.8400e-003	0.0937		254.0995	254.0995	4.7200e-003		254.2176

4.0 Operational Detail - Mobile

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	4.5969	26.7444	57.6204	0.2970	32.3174	0.1550	32.4723	8.6452	0.1440	8.7892		30,515.3134	30,515.3134	1.2385		30,546.2747
Unmitigated	4.5969	26.7444	57.6204	0.2970	32.3174	0.1550	32.4723	8.6452	0.1440	8.7892		30,515.3134	30,515.3134	1.2385		30,546.2747

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hospital	1,745.04	1,343.76	1176.12	6,227,914	6,227,914
Medical Office Building	3,251.70	806.40	139.50	6,375,111	6,375,111
Total	4,996.74	2,150.16	1,315.62	12,603,025	12,603,025

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Hospital	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Medical Office Building	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Natural Gas Mitigated	0.2803	2.5477	2.1401	0.0153		0.1936	0.1936		0.1936	0.1936		3,057.2828	3,057.2828	0.0586	0.0561	3,075.4507

NaturalGas Unmitigated	0.2803	2.5477	2.1401	0.0153		0.1936	0.1936		0.1936	0.1936		3,057.2828	3,057.2828	0.0586	0.0561	3,075.4507
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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	23420.1	0.2526	2.2961	1.9287	0.0138		0.1745	0.1745		0.1745	0.1745		2,755.3006	2,755.3006	0.0528	0.0505	2,771.6739
Medical Office Building	2566.85	0.0277	0.2517	0.2114	1.5100e-003		0.0191	0.0191		0.0191	0.0191		301.9823	301.9823	5.7900e-003	5.5400e-003	303.7768
Total		0.2803	2.5477	2.1401	0.0153		0.1936	0.1936		0.1936	0.1936		3,057.2828	3,057.2828	0.0586	0.0561	3,075.4507

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	23.4201	0.2526	2.2961	1.9287	0.0138		0.1745	0.1745		0.1745	0.1745		2,755.3006	2,755.3006	0.0528	0.0505	2,771.6739
Medical Office Building	2.56685	0.0277	0.2517	0.2114	1.5100e-003		0.0191	0.0191		0.0191	0.0191		301.9823	301.9823	5.7900e-003	5.5400e-003	303.7768
Total		0.2803	2.5477	2.1401	0.0153		0.1936	0.1936		0.1936	0.1936		3,057.2828	3,057.2828	0.0586	0.0561	3,075.4507

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.0522	6.6000e-004	0.0733	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1580	0.1580	4.1000e-004		0.1682
Unmitigated	5.0522	6.6000e-004	0.0733	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1580	0.1580	4.1000e-004		0.1682

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	0.5791					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.4664					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.7000e-003	6.6000e-004	0.0733	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1580	0.1580	4.1000e-004		0.1682
Total	5.0522	6.6000e-004	0.0733	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1580	0.1580	4.1000e-004		0.1682

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	0.5791					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.4664					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.7000e-003	6.6000e-004	0.0733	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1580	0.1580	4.1000e-004		0.1682
Total	5.0522	6.6000e-004	0.0733	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1580	0.1580	4.1000e-004		0.1682

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Demolition	Concrete/Industrial Saws	1
Demolition	Excavators	3
Demolition	Rubber Tired Dozers	2
Site Preparation	Rubber Tired Dozers	3
Site Preparation	Tractors/Loaders/Backhoes	4
Grading	Excavators	1
Grading	Graders	1
Grading	Rubber Tired Dozers	1
Grading	Tractors/Loaders/Backhoes	3
Building Construction	Cranes	1
Building Construction	Forklifts	3
Building Construction	Generator Sets	1
Building Construction	Tractors/Loaders/Backhoes	3
Building Construction	Welders	1
Paving	Pavers	2
Paving	Paving Equipment	2
Paving	Rollers	2
Architectural Coating	Air Compressors	1

Activity/Construction	Equipment Type	Quantity
Demolition	Concrete/Industrial Saws	1
	Excavators	3
	Rubber Tired Dozers	2
Site Preparation	Rubber Tired Dozers	3
	Tractors/Loaders/Backhoes	4
Grading	Excavators	1
	Graders	1
	Rubber Tired Dozers	1
	Tractors/Loaders/Backhoes	3
Building Construction	Cranes	1
	Forklifts	3
	Generator Sets	1
	Tractors/Loaders/Backhoes	3
	Welders	1
Paving	Pavers	2
	Paving Equipment	2
	Rollers	2
Architectural Coating	Air Compressors	1

QVHSP Long Range Project Construction - Los Angeles-South Coast County, Summer

QVHSP Long Range Project Construction
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	132.00	1000sqft	3.03	132,000.00	0
Medical Office Building	90.00	1000sqft	2.07	90,000.00	0
Enclosed Parking with Elevator	500.00	Space	4.50	200,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase - Default
- Architectural Coating - Super Compliant Paints (10 g/L or less)
- Construction Off-road Equipment Mitigation - Tier 3 Mitigation
- Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Parking	100.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2028	2.5254	25.2623	21.2224	0.0574	18.2675	1.0880	19.3555	9.9840	1.0010	10.9850	0.0000	5,720.9822	5,720.9822	1.1963	0.0000	5,738.9222
2029	10.8238	17.3108	20.9704	0.0570	2.1744	0.5426	2.7170	0.5867	0.5103	1.0970	0.0000	5,677.2786	5,677.2786	0.7162	0.0000	5,695.1344
Maximum	10.8238	25.2623	21.2224	0.0574	18.2675	1.0880	19.3555	9.9840	1.0010	10.9850	0.0000	5,720.9822	5,720.9822	1.1963	0.0000	5,738.9222

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2028	1.3721	19.0940	25.0410	0.0574	7.2470	0.9474	8.1945	3.9263	0.9473	4.8737	0.0000	5,720.9822	5,720.9822	1.1963	0.0000	5,738.9222
2029	10.7124	18.7189	22.9143	0.0570	2.1744	0.8573	3.0317	0.5867	0.8563	1.4430	0.0000	5,677.2786	5,677.2786	0.7162	0.0000	5,695.1344
Maximum	10.7124	19.0940	25.0410	0.0574	7.2470	0.9474	8.1945	3.9263	0.9473	4.8737	0.0000	5,720.9822	5,720.9822	1.1963	0.0000	5,738.9222

	ROG	NOx	CO	SO2	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	9.47	11.18	-13.66	0.00	53.91	-10.67	49.14	57.31	-19.34	47.72	0.00	0.00	0.00	0.00	0.00	0.00

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	5.0522	6.6000e-004	0.0733	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1580	0.1580	4.1000e-004		0.1682
Energy	0.2803	2.5477	2.1401	0.0153		0.1936	0.1936		0.1936	0.1936		3,057.2828	3,057.2828	0.0586	0.0561	3,075.4507
Mobile	4.7330	26.5000	60.4345	0.3115	32.3174	0.1546	32.4719	8.6452	0.1436	8.7888		31,978.1041	31,978.1041	1.2271		32,008.7825
Total	10.0654	29.0484	62.6479	0.3268	32.3174	0.3485	32.6658	8.6452	0.3375	8.9827		35,035.5450	35,035.5450	1.2862	0.0561	35,084.4015

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	5.0522	6.6000e-004	0.0733	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1580	0.1580	4.1000e-004		0.1682
Energy	0.2803	2.5477	2.1401	0.0153		0.1936	0.1936		0.1936	0.1936		3,057.2828	3,057.2828	0.0586	0.0561	3,075.4507
Mobile	4.7330	26.5000	60.4345	0.3115	32.3174	0.1546	32.4719	8.6452	0.1436	8.7888		31,978.1041	31,978.1041	1.2271		32,008.7825
Total	10.0654	29.0484	62.6479	0.3268	32.3174	0.3485	32.6658	8.6452	0.3375	8.9827		35,035.5450	35,035.5450	1.2862	0.0561	35,084.4015

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2028	1/28/2028	5	20	
2	Site Preparation	Site Preparation	1/29/2028	2/11/2028	5	10	
3	Grading	Grading	2/12/2028	3/10/2028	5	20	
4	Building Construction	Building Construction	3/11/2028	1/26/2029	5	230	
5	Paving	Paving	1/27/2029	2/23/2029	5	20	
6	Architectural Coating	Architectural Coating	2/24/2029	3/23/2029	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 4.5

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 333,000; Non-Residential Outdoor: 111,000; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	155.00	69.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	31.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0439	0.0237	0.3672	1.3500e-003	0.1677	1.0400e-003	0.1687	0.0445	9.6000e-004	0.0454		134.1759	134.1759	2.6700e-003		134.2426
Total	0.0439	0.0237	0.3672	1.3500e-003	0.1677	1.0400e-003	0.1687	0.0445	9.6000e-004	0.0454		134.1759	134.1759	2.6700e-003		134.2426

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9246	18.3130	24.6739	0.0388		0.8627	0.8627		0.8627	0.8627	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	0.9246	18.3130	24.6739	0.0388		0.8627	0.8627		0.8627	0.8627	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0439	0.0237	0.3672	1.3500e-003	0.1677	1.0400e-003	0.1687	0.0445	9.6000e-004	0.0454		134.1759	134.1759	2.6700e-003		134.2426
Total	0.0439	0.0237	0.3672	1.3500e-003	0.1677	1.0400e-003	0.1687	0.0445	9.6000e-004	0.0454		134.1759	134.1759	2.6700e-003		134.2426

3.3 Site Preparation - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	2.4727	25.2339	17.9118	0.0381	18.0663	1.0868	19.1531	9.9307	0.9999	10.9305		3,689.1037	3,689.1037	1.1931		3,718.9320

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0527	0.0284	0.4406	1.6100e-003	0.2012	1.2500e-003	0.2025	0.0534	1.1500e-003	0.0545		161.0111	161.0111	3.2000e-003		161.0911
Total	0.0527	0.0284	0.4406	1.6100e-003	0.2012	1.2500e-003	0.2025	0.0534	1.1500e-003	0.0545		161.0111	161.0111	3.2000e-003		161.0911

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0381		0.9462	0.9462		0.9462	0.9462	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	0.9312	19.0656	22.9600	0.0381	7.0458	0.9462	7.9920	3.8730	0.9462	4.8191	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0527	0.0284	0.4406	1.6100e-003	0.2012	1.2500e-003	0.2025	0.0534	1.1500e-003	0.0545		161.0111	161.0111	3.2000e-003		161.0911

Total	0.0527	0.0284	0.4406	1.6100e-003	0.2012	1.2500e-003	0.2025	0.0534	1.1500e-003	0.0545		161.0111	161.0111	3.2000e-003		161.0911
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3.4 Grading - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.5227	15.3148	14.5402	0.0297		0.6236	0.6236		0.5737	0.5737		2,873.7052	2,873.7052	0.9294		2,896.9405
Total	1.5227	15.3148	14.5402	0.0297	6.5523	0.6236	7.1759	3.3675	0.5737	3.9412		2,873.7052	2,873.7052	0.9294		2,896.9405

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0439	0.0237	0.3672	1.3500e-003	0.1677	1.0400e-003	0.1687	0.0445	9.6000e-004	0.0454		134.1759	134.1759	2.6700e-003		134.2426
Total	0.0439	0.0237	0.3672	1.3500e-003	0.1677	1.0400e-003	0.1687	0.0445	9.6000e-004	0.0454		134.1759	134.1759	2.6700e-003		134.2426

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	0.7263	14.8397	18.9906	0.0297		0.7555	0.7555		0.7555	0.7555	0.0000	2,873.7052	2,873.7052	0.9294		2,896.9405
Total	0.7263	14.8397	18.9906	0.0297	2.5554	0.7555	3.3110	1.3133	0.7555	2.0689	0.0000	2,873.7052	2,873.7052	0.9294		2,896.9405

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0439	0.0237	0.3672	1.3500e-003	0.1677	1.0400e-003	0.1687	0.0445	9.6000e-004	0.0454		134.1759	134.1759	2.6700e-003		134.2426
Total	0.0439	0.0237	0.3672	1.3500e-003	0.1677	1.0400e-003	0.1687	0.0445	9.6000e-004	0.0454		134.1759	134.1759	2.6700e-003		134.2426

3.5 Building Construction - 2028

Unmitigated Construction On-Site

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

Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1309	4.6520	1.3437	0.0166	0.4418	5.1500e-003	0.4470	0.1272	4.9200e-003	0.1321		1,778.0239	1,778.0239	0.0891		1,780.2508
Worker	0.4534	0.2447	3.7940	0.0139	1.7325	0.0108	1.7433	0.4595	9.9100e-003	0.4694		1,386.4840	1,386.4840	0.0276		1,387.1733
Total	0.5843	4.8967	5.1377	0.0305	2.1744	0.0159	2.1903	0.5867	0.0148	0.6015		3,164.5079	3,164.5079	0.1167		3,167.4241

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7878	13.8778	18.0286	0.0270		0.8422	0.8422		0.8422	0.8422	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.7878	13.8778	18.0286	0.0270		0.8422	0.8422		0.8422	0.8422	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1309	4.6520	1.3437	0.0166	0.4418	5.1500e-003	0.4470	0.1272	4.9200e-003	0.1321		1,778.0239	1,778.0239	0.0891		1,780.2508
Worker	0.4534	0.2447	3.7940	0.0139	1.7325	0.0108	1.7433	0.4595	9.9100e-003	0.4694		1,386.4840	1,386.4840	0.0276		1,387.1733
Total	0.5843	4.8967	5.1377	0.0305	2.1744	0.0159	2.1903	0.5867	0.0148	0.6015		3,164.5079	3,164.5079	0.1167		3,167.4241

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1288	4.6162	1.3264	0.0165	0.4418	5.0500e-003	0.4469	0.1272	4.8300e-003	0.1320		1,771.4788	1,771.4788	0.0880		1,773.6788
Worker	0.4258	0.2250	3.5593	0.0135	1.7325	0.0100	1.7426	0.4595	9.2200e-003	0.4687		1,349.3254	1,349.3254	0.0253		1,349.9575
Total	0.5546	4.8412	4.8858	0.0300	2.1744	0.0151	2.1894	0.5867	0.0141	0.6007		3,120.8042	3,120.8042	0.1133		3,123.6363

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7878	13.8778	18.0286	0.0270		0.8422	0.8422		0.8422	0.8422	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.7878	13.8778	18.0286	0.0270		0.8422	0.8422		0.8422	0.8422	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.1288	4.6162	1.3264	0.0165	0.4418	5.0500e-003	0.4469	0.1272	4.8300e-003	0.1320		1,771.4788	1,771.4788	0.0880		1,773.6788
Worker	0.4258	0.2250	3.5593	0.0135	1.7325	0.0100	1.7426	0.4595	9.2200e-003	0.4687		1,349.3254	1,349.3254	0.0253		1,349.9575
Total	0.5546	4.8412	4.8858	0.0300	2.1744	0.0151	2.1894	0.5867	0.0141	0.6007		3,120.8042	3,120.8042	0.1133		3,123.6363

3.6 Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0412	0.0218	0.3445	1.3100e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		130.5799	130.5799	2.4500e-003		130.6411
Total	0.0412	0.0218	0.3445	1.3100e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		130.5799	130.5799	2.4500e-003		130.6411

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0412	0.0218	0.3445	1.3100e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		130.5799	130.5799	2.4500e-003		130.6411
Total	0.0412	0.0218	0.3445	1.3100e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		130.5799	130.5799	2.4500e-003		130.6411

3.7 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	10.5678					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	10.7387	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0852	0.0450	0.7119	2.7000e-003	0.3465	2.0000e-003	0.3485	0.0919	1.8400e-003	0.0937		269.8651	269.8651	5.0600e-003		269.9915
Total	0.0852	0.0450	0.7119	2.7000e-003	0.3465	2.0000e-003	0.3485	0.0919	1.8400e-003	0.0937		269.8651	269.8651	5.0600e-003		269.9915

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	10.5678					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	10.6272	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0852	0.0450	0.7119	2.7000e-003	0.3465	2.0000e-003	0.3485	0.0919	1.8400e-003	0.0937		269.8651	269.8651	5.0600e-003		269.9915
Total	0.0852	0.0450	0.7119	2.7000e-003	0.3465	2.0000e-003	0.3485	0.0919	1.8400e-003	0.0937		269.8651	269.8651	5.0600e-003		269.9915

4.0 Operational Detail - Mobile

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	4.7330	26.5000	60.4345	0.3115	32.3174	0.1546	32.4719	8.6452	0.1436	8.7888		31,978.1041	31,978.1041	1.2271		32,008.7825

Unmitigated	4.7330	26.5000	60.4345	0.3115	32.3174	0.1546	32.4719	8.6452	0.1436	8.7888		31,978.10 41	31,978.104 1	1.2271		32,008.78 25
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hospital	1,745.04	1,343.76	1176.12	6,227,914	6,227,914
Medical Office Building	3,251.70	806.40	139.50	6,375,111	6,375,111
Total	4,996.74	2,150.16	1,315.62	12,603,025	12,603,025

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C- -	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Hospital	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Medical Office Building	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2803	2.5477	2.1401	0.0153		0.1936	0.1936		0.1936	0.1936		3,057.2828	3,057.2828	0.0586	0.0561	3,075.4507
NaturalGas Unmitigated	0.2803	2.5477	2.1401	0.0153		0.1936	0.1936		0.1936	0.1936		3,057.2828	3,057.2828	0.0586	0.0561	3,075.4507

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	23420.1	0.2526	2.2961	1.9287	0.0138		0.1745	0.1745		0.1745	0.1745		2,755.3006	2,755.3006	0.0528	0.0505	2,771.6739
Medical Office Building	2566.85	0.0277	0.2517	0.2114	1.5100e-003		0.0191	0.0191		0.0191	0.0191		301.9823	301.9823	5.7900e-003	5.5400e-003	303.7768
Total		0.2803	2.5477	2.1401	0.0153		0.1936	0.1936		0.1936	0.1936		3,057.2828	3,057.2828	0.0586	0.0561	3,075.4507

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					

Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	23.4201	0.2526	2.2961	1.9287	0.0138		0.1745	0.1745		0.1745	0.1745		2,755.3006	2,755.3006	0.0528	0.0505	2,771.6739
Medical Office Building	2.56685	0.0277	0.2517	0.2114	1.5100e-003		0.0191	0.0191		0.0191	0.0191		301.9823	301.9823	5.7900e-003	5.5400e-003	303.7768
Total		0.2803	2.5477	2.1401	0.0153		0.1936	0.1936		0.1936	0.1936		3,057.2828	3,057.2828	0.0586	0.0561	3,075.4507

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	5.0522	6.6000e-004	0.0733	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1580	0.1580	4.1000e-004			0.1682
Unmitigated	5.0522	6.6000e-004	0.0733	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1580	0.1580	4.1000e-004			0.1682

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	0.5791					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Consumer Products	4.4664					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.7000e-003	6.6000e-004	0.0733	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1580	0.1580	4.1000e-004		0.1682
Total	5.0522	6.6000e-004	0.0733	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1580	0.1580	4.1000e-004		0.1682

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	0.5791					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Consumer Products	4.4664					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Landscaping	6.7000e-003	6.6000e-004	0.0733	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1580	0.1580	4.1000e-004			0.1682
Total	5.0522	6.6000e-004	0.0733	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1580	0.1580	4.1000e-004			0.1682

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

QVHSP Full Buildout Operational - Los Angeles-South Coast County, Annual

**QVHSP Full Buildout Operational
Los Angeles-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	178.00	1000sqft	4.09	178,000.00	0
Hospital	132.00	1000sqft	3.03	132,000.00	0
Medical Office Building	90.00	1000sqft	2.07	90,000.00	0
Medical Office Building	90.00	1000sqft	2.07	90,000.00	0
Enclosed Parking with Elevator	500.00	Space	4.50	200,000.00	0
Enclosed Parking with Elevator	500.00	Space	4.50	200,000.00	0
Parking Lot	500.00	Space	3.00	130,680.00	0
Parking Lot	35.00	1000sqft	0.80	35,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - .

Construction Phase -

Off-road Equipment - Construction emissions calculated separately.

Off-road Equipment - Construction emissions calculated separately.

Off-road Equipment - Construction emissions calculated separately.

Off-road Equipment - Construction emissions calculated separately.

Off-road Equipment - Construction emissions calculated separately.

Off-road Equipment - Construction emissions calculated separately.

Trips and VMT - Construction emissions calculated separately.

Grading - Construction emissions calculated separately.

Architectural Coating - Construction emissions calculated separately.

Vehicle Trips - Per Traffic report

Area Coating -

Energy Use - Default

Construction Off-road Equipment Mitigation -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	0.00
tblArchitecturalCoating	EF_Parking	100.00	0.00
tblFleetMix	HHD	0.04	7.4100e-004
tblFleetMix	HHD	0.04	7.1800e-004
tblFleetMix	LDA	0.54	0.80
tblFleetMix	LDA	0.54	0.93
tblFleetMix	LDT1	0.04	0.07
tblFleetMix	LDT1	0.04	0.03
tblFleetMix	LDT2	0.21	0.07
tblFleetMix	LDT2	0.21	0.01
tblFleetMix	LHD1	0.01	0.01

tblFleetMix	LHD1	0.01	7.1760e-003
tblFleetMix	LHD2	6.4400e-003	0.00
tblFleetMix	LHD2	6.4400e-003	0.00
tblFleetMix	MCY	5.3240e-003	7.8410e-003
tblFleetMix	MCY	5.3240e-003	5.7410e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MDV	0.12	7.1760e-003
tblFleetMix	MH	8.0700e-004	0.00
tblFleetMix	MH	8.0700e-004	0.00
tblFleetMix	MHD	0.02	7.4100e-004
tblFleetMix	MHD	0.02	7.1800e-004
tblFleetMix	OBUS	2.7030e-003	0.00
tblFleetMix	OBUS	2.7030e-003	0.00
tblFleetMix	SBUS	7.3200e-004	0.00
tblFleetMix	SBUS	7.3200e-004	0.00
tblFleetMix	UBUS	1.6290e-003	2.6080e-003
tblFleetMix	UBUS	1.6290e-003	2.5260e-003
tblLandUse	LandUseSquareFeet	200,000.00	130,680.00
tblLandUse	LotAcreage	4.50	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	1,881.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	36.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	VendorTripNumber	173.00	0.00
tblTripsAndVMT	WorkerTripNumber	394.00	0.00
tblTripsAndVMT	WorkerTripNumber	79.00	0.00
tblVehicleTrips	ST_TR	10.18	8.26
tblVehicleTrips	ST_TR	8.96	8.63
tblVehicleTrips	SU_TR	8.91	7.23
tblVehicleTrips	SU_TR	1.55	1.49
tblVehicleTrips	WD_TR	13.22	10.72
tblVehicleTrips	WD_TR	36.13	34.80

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					

2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2020	4.9800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	4.9800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2020	4.9800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	4.9800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
7	6-4-2020	9-3-2020	0.0050	0.0050
		Highest	0.0050	0.0050

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	2.0445	2.3000e-004	0.0257	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0503	0.0503	1.3000e-004	0.0000	0.0535
Energy	0.1184	1.0760	0.9038	6.4600e-003		0.0818	0.0818		0.0818	0.0818	0.0000	4,935.6207	4,935.6207	0.1779	0.0536	4,956.0481
Mobile	1.1466	1.3458	14.4864	0.0559	9.0331	0.0365	9.0697	2.4050	0.0337	2.4387	0.0000	5,128.3142	5,128.3142	0.2325	0.0000	5,134.1268
Stationary	0.2979	0.0229	0.7758	1.0000e-004		1.6400e-003	1.6400e-003		1.6400e-003	1.6400e-003	0.0000	17.2655	17.2655	0.0361	0.0000	18.1680
Waste						0.0000	0.0000		0.0000	0.0000	1,074.2282	0.0000	1,074.2282	63.4851	0.0000	2,661.3548
Water						0.0000	0.0000		0.0000	0.0000	19.5065	296.5464	316.0529	2.0158	0.0498	381.2990
Total	3.6074	2.4449	16.1917	0.0625	9.0331	0.1200	9.1532	2.4050	0.1172	2.5222	1,093.7347	10,377.7970	11,471.5317	65.9474	0.1035	13,151.0502

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	2.0445	2.3000e-004	0.0257	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0503	0.0503	1.3000e-004	0.0000	0.0535
Energy	0.1184	1.0760	0.9038	6.4600e-003		0.0818	0.0818		0.0818	0.0818	0.0000	3,994.5414	3,994.5414	0.1390	0.0456	4,011.6021
Mobile	1.1466	1.3458	14.4864	0.0559	9.0331	0.0365	9.0697	2.4050	0.0337	2.4387	0.0000	5,128.3142	5,128.3142	0.2325	0.0000	5,134.1268
Stationary	0.2979	0.0229	0.7758	1.0000e-004		1.6400e-003	1.6400e-003		1.6400e-003	1.6400e-003	0.0000	17.2655	17.2655	0.0361	0.0000	18.1680
Waste						0.0000	0.0000		0.0000	0.0000	1,074.2282	0.0000	1,074.2282	63.4851	0.0000	2,661.3548
Water						0.0000	0.0000		0.0000	0.0000	19.5065	296.5464	316.0529	2.0158	0.0498	381.2990
Total	3.6074	2.4449	16.1917	0.0625	9.0331	0.1200	9.1532	2.4050	0.1172	2.5222	1,093.7347	9,436.7177	10,530.4524	65.9086	0.0954	12,206.6042

	ROG	NOx	CO	SO2	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	9.07	8.20	0.06	7.77	7.18

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/4/2018	12/31/2018	5	20	
2	Site Preparation	Site Preparation	1/1/2019	1/14/2019	5	10	
3	Grading	Grading	1/15/2019	3/4/2019	5	35	
4	Building Construction	Building Construction	3/5/2019	8/3/2020	5	370	
5	Paving	Paving	8/4/2020	8/31/2020	5	20	
6	Architectural Coating	Architectural Coating	9/1/2020	9/28/2020	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 12.8

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 735,000; Non-Residential Outdoor: 245,000; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

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	1.1466	1.3458	14.4864	0.0559	9.0331	0.0365	9.0697	2.4050	0.0337	2.4387	0.0000	5,128.3142	5,128.3142	0.2325	0.0000	5,134.1268
Unmitigated	1.1466	1.3458	14.4864	0.0559	9.0331	0.0365	9.0697	2.4050	0.0337	2.4387	0.0000	5,128.3142	5,128.3142	0.2325	0.0000	5,134.1268

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hospital	1,908.16	1,470.28	1286.94	6,811,068	6,811,068
Hospital	1,415.04	1,090.32	954.36	5,050,904	5,050,904
Medical Office Building	3,132.00	776.70	134.10	6,140,330	6,140,330
Medical Office Building	3,132.00	776.70	134.10	6,140,330	6,140,330
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	9,587.20	4,114.00	2,509.50	24,142,633	24,142,633

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	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
Enclosed Parking with Elevator	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Hospital	0.804093	0.065414	0.074100	0.029640	0.014820	0.000000	0.000741	0.000741	0.000000	0.002608	0.007841	0.000000	0.000000
Medical Office Building	0.932889	0.028704	0.014352	0.007176	0.007176	0.000000	0.000718	0.000718	0.000000	0.002526	0.005741	0.000000	0.000000
Parking Lot	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,823.2379	2,823.2379	0.1166	0.0241	2,833.3381
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3,764.3171	3,764.3171	0.1554	0.0322	3,777.7841
NaturalGas Mitigated	0.1184	1.0760	0.9038	6.4600e-003		0.0818	0.0818		0.0818	0.0818	0.0000	1,171.3036	1,171.3036	0.0225	0.0215	1,178.2640
NaturalGas Unmitigated	0.1184	1.0760	0.9038	6.4600e-003		0.0818	0.0818		0.0818	0.0818	0.0000	1,171.3036	1,171.3036	0.0225	0.0215	1,178.2640

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas 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										M1/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	1.15273e+007	0.0622	0.5651	0.4747	3.3900e-003		0.0429	0.0429		0.0429	0.0429	0.0000	615.1396	615.1396	0.0118	0.0113	618.7950
Hospital	8.54832e+006	0.0461	0.4190	0.3520	2.5100e-003		0.0319	0.0319		0.0319	0.0319	0.0000	456.1709	456.1709	8.7400e-003	8.3600e-003	458.8817
Medical Office Building	936900	0.0101	0.0919	0.0772	5.5000e-004		6.9800e-003	6.9800e-003		6.9800e-003	6.9800e-003	0.0000	99.9931	99.9931	1.9200e-003	1.8300e-003	100.5873
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1184	1.0760	0.9038	6.4500e-003		0.0818	0.0818		0.0818	0.0818	0.0000	1,171.3036	1,171.3036	0.0225	0.0215	1,178.2640

Mitigated

	Natural Gas 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										M1/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	1.15273e+007	0.0622	0.5651	0.4747	3.3900e-003		0.0429	0.0429		0.0429	0.0429	0.0000	615.1396	615.1396	0.0118	0.0113	618.7950
Hospital	8.54832e+006	0.0461	0.4190	0.3520	2.5100e-003		0.0319	0.0319		0.0319	0.0319	0.0000	456.1709	456.1709	8.7400e-003	8.3600e-003	458.8817
Medical Office Building	936900	0.0101	0.0919	0.0772	5.5000e-004		6.9800e-003	6.9800e-003		6.9800e-003	6.9800e-003	0.0000	99.9931	99.9931	1.9200e-003	1.8300e-003	100.5873
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1184	1.0760	0.9038	6.4500e-003		0.0818	0.0818		0.0818	0.0818	0.0000	1,171.3036	1,171.3036	0.0225	0.0215	1,178.2640

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.172e+006	746.8486	0.0308	6.3800e-003	749.5205
Hospital	3.01224e+006	959.7642	0.0396	8.2000e-003	963.1978
Hospital	4.06196e+006	1,294.2275	0.0534	0.0111	1,298.8576
Medical Office Building	1.1691e+006	745.0006	0.0308	6.3600e-003	747.6659
Parking Lot	12250	3.9031	1.6000e-004	3.0000e-005	3.9171
Parking Lot	45738	14.5731	6.0000e-004	1.2000e-004	14.6252
Total		3,764.3171	0.1554	0.0321	3,777.7841

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	879000	560.1365	0.0231	4.7800e-003	562.1404
Hospital	2.25918e+006	719.8232	0.0297	6.1500e-003	722.3983
Hospital	3.04647e+006	970.6706	0.0401	8.2900e-003	974.1432
Medical Office Building	876825	558.7505	0.0231	4.7700e-003	560.7494
Parking Lot	34303.5	10.9298	4.5000e-004	9.0000e-005	10.9689
Parking Lot	9187.5	2.9273	1.2000e-004	3.0000e-005	2.9378

Total		2,823.2378	0.1166	0.0241	2,833.338
					1

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.0445	2.3000e-004	0.0257	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0503	0.0503	1.3000e-004	0.0000	0.0535
Unmitigated	2.0445	2.3000e-004	0.0257	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0503	0.0503	1.3000e-004	0.0000	0.0535

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	0.2350					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.8072					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3500e-003	2.3000e-004	0.0257	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0503	0.0503	1.3000e-004	0.0000	0.0535
Total	2.0445	2.3000e-004	0.0257	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0503	0.0503	1.3000e-004	0.0000	0.0535

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	0.2350						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Consumer Products	1.8072						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Landscaping	2.3500e-003	2.3000e-004	0.0257	0.0000			9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0503	0.0503	1.3000e-004	0.0000	0.0535
Total	2.0445	2.3000e-004	0.0257	0.0000			9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.0503	0.0503	1.3000e-004	0.0000	0.0535

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	316.0529	2.0158	0.0498	381.2990
Unmitigated	316.0529	2.0158	0.0498	381.2990

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hospital	38.899 / 7.40933	199.9519	1.2753	0.0315	241.2300
Medical Office Building	22.5865 / 4.30219	116.1011	0.7405	0.0183	140.0690
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		316.0529	2.0158	0.0498	381.2990

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hospital	38.899 / 7.40933	199.9519	1.2753	0.0315	241.2300
Medical Office Building	22.5865 / 4.30219	116.1011	0.7405	0.0183	140.0690
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		316.0529	2.0158	0.0498	381.2990

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1,074.2282	63.4851	0.0000	2,661.3548
Unmitigated	1,074.2282	63.4851	0.0000	2,661.3548

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hospital	3348	679.6137	40.1640	0.0000	1,683.7143
Medical Office Building	1944	394.6144	23.3210	0.0000	977.6406
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		1,074.2282	63.4851	0.0000	2,661.3548

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hospital	3348	679.6137	40.1640	0.0000	1,683.7143
Medical Office Building	1944	394.6144	23.3210	0.0000	977.6406
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		1,074.2282	63.4851	0.0000	2,661.3548

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	36	1881	0.73	CNG

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	tons/yr										Mt/yr					
Emergency Generator - CNG (500,000 HP)	0.2979	0.0229	0.7758	1.0000e-004		1.6400e-003	1.6400e-003		1.6400e-003	1.6400e-003	0.0000	17.2655	17.2655	0.0361	0.0000	18.1680
Total	0.2979	0.0229	0.7758	1.0000e-004		1.6400e-003	1.6400e-003		1.6400e-003	1.6400e-003	0.0000	17.2655	17.2655	0.0361	0.0000	18.1680

11.0 Vegetation

QVHSP Full Buildout Operational - Los Angeles-South Coast County, Summer

**QVHSP Full Buildout Operational
Los Angeles-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	178.00	1000sqft	4.09	178,000.00	0
Hospital	132.00	1000sqft	3.03	132,000.00	0
Medical Office Building	90.00	1000sqft	2.07	90,000.00	0
Medical Office Building	90.00	1000sqft	2.07	90,000.00	0
Enclosed Parking with Elevator	500.00	Space	4.50	200,000.00	0
Enclosed Parking with Elevator	500.00	Space	4.50	200,000.00	0
Parking Lot	500.00	Space	3.00	130,680.00	0
Parking Lot	35.00	1000sqft	0.80	35,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - .

Construction Phase -

Off-road Equipment - Construction emissions calculated separately.

Off-road Equipment - Construction emissions calculated separately.

Off-road Equipment - Construction emissions calculated separately.

Off-road Equipment - Construction emissions calculated separately.

Off-road Equipment - Construction emissions calculated separately.

Off-road Equipment - Construction emissions calculated separately.

Trips and VMT - Construction emissions calculated separately.

Grading - Construction emissions calculated separately.

Architectural Coating - Construction emissions calculated separately.

Vehicle Trips - Per Traffic report

Area Coating -

Energy Use - Default

Construction Off-road Equipment Mitigation -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	0.00
tblArchitecturalCoating	EF_Parking	100.00	0.00
tblFleetMix	HHD	0.04	7.4100e-004
tblFleetMix	HHD	0.04	7.1800e-004
tblFleetMix	LDA	0.54	0.80
tblFleetMix	LDA	0.54	0.93
tblFleetMix	LDT1	0.04	0.07
tblFleetMix	LDT1	0.04	0.03
tblFleetMix	LDT2	0.21	0.07
tblFleetMix	LDT2	0.21	0.01
tblFleetMix	LHD1	0.01	0.01

tblFleetMix	LHD1	0.01	7.1760e-003
tblFleetMix	LHD2	6.4400e-003	0.00
tblFleetMix	LHD2	6.4400e-003	0.00
tblFleetMix	MCY	5.3240e-003	7.8410e-003
tblFleetMix	MCY	5.3240e-003	5.7410e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MDV	0.12	7.1760e-003
tblFleetMix	MH	8.0700e-004	0.00
tblFleetMix	MH	8.0700e-004	0.00
tblFleetMix	MHD	0.02	7.4100e-004
tblFleetMix	MHD	0.02	7.1800e-004
tblFleetMix	OBUS	2.7030e-003	0.00
tblFleetMix	OBUS	2.7030e-003	0.00
tblFleetMix	SBUS	7.3200e-004	0.00
tblFleetMix	SBUS	7.3200e-004	0.00
tblFleetMix	UBUS	1.6290e-003	2.6080e-003
tblFleetMix	UBUS	1.6290e-003	2.5260e-003
tblLandUse	LandUseSquareFeet	200,000.00	130,680.00
tblLandUse	LotAcreage	4.50	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	1,881.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	36.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	VendorTripNumber	173.00	0.00
tblTripsAndVMT	WorkerTripNumber	394.00	0.00
tblTripsAndVMT	WorkerTripNumber	79.00	0.00
tblVehicleTrips	ST_TR	10.18	8.26
tblVehicleTrips	ST_TR	8.96	8.63
tblVehicleTrips	SU_TR	8.91	7.23
tblVehicleTrips	SU_TR	1.55	1.49
tblVehicleTrips	WD_TR	13.22	10.72
tblVehicleTrips	WD_TR	36.13	34.80

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

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

2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2020	0.4978	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.4978	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2020	0.4978	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.4978	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	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

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	11.2087	1.8500e-003	0.2056	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4432	0.4432	1.1400e-003		0.4717
Energy	0.6485	5.8956	4.9523	0.0354		0.4481	0.4481		0.4481	0.4481		7,074.7462	7,074.7462	0.1356	0.1297	7,116.7879
Mobile	8.0137	8.1196	99.6760	0.3862	61.0819	0.2424	61.3243	16.2370	0.2237	16.4606		39,006.6721	39,006.6721	1.6963		39,049.0806
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	19.8709	14.0170	104.8339	0.4216	61.0819	0.6912	61.7731	16.2370	0.6725	16.9094		46,081.8615	46,081.8615	1.8331	0.1297	46,166.3402

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	11.2087	1.8500e-003	0.2056	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4432	0.4432	1.1400e-003		0.4717
Energy	0.6485	5.8956	4.9523	0.0354		0.4481	0.4481		0.4481	0.4481		7,074.7462	7,074.7462	0.1356	0.1297	7,116.7879
Mobile	8.0137	8.1196	99.6760	0.3862	61.0819	0.2424	61.3243	16.2370	0.2237	16.4606		39,006.6721	39,006.6721	1.6963		39,049.0806
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	19.8709	14.0170	104.8339	0.4216	61.0819	0.6912	61.7731	16.2370	0.6725	16.9094		46,081.8615	46,081.8615	1.8331	0.1297	46,166.3402

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
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1	Demolition	Demolition	12/4/2018	12/31/2018	5	20
2	Site Preparation	Site Preparation	1/1/2019	1/14/2019	5	10
3	Grading	Grading	1/15/2019	3/4/2019	5	35
4	Building Construction	Building Construction	3/5/2019	8/3/2020	5	370
5	Paving	Paving	8/4/2020	8/31/2020	5	20
6	Architectural Coating	Architectural Coating	9/1/2020	9/28/2020	5	20

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 12.8

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 735,000; Non-Residential Outdoor: 245,000; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Pavers	0	8.00	130	0.42

Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

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

Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.6 Paving - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Paving	0.4978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4978	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Paving	0.4978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4978	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.0 Operational Detail - Mobile

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	8.0137	8.1196	99.6760	0.3862	61.0819	0.2424	61.3243	16.2370	0.2237	16.4606		39,006.6721	39,006.6721	1.6963		39,049.0806
Unmitigated	8.0137	8.1196	99.6760	0.3862	61.0819	0.2424	61.3243	16.2370	0.2237	16.4606		39,006.6721	39,006.6721	1.6963		39,049.0806

4.2 Trip Summary Information

	Average Daily Trip Rate	Unmitigated	Mitigated
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Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hospital	1,908.16	1,470.28	1286.94	6,811,068	6,811,068
Hospital	1,415.04	1,090.32	954.36	5,050,904	5,050,904
Medical Office Building	3,132.00	776.70	134.10	6,140,330	6,140,330
Medical Office Building	3,132.00	776.70	134.10	6,140,330	6,140,330
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	9,587.20	4,114.00	2,509.50	24,142,633	24,142,633

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	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
Enclosed Parking with Elevator	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Hospital	0.804093	0.065414	0.074100	0.029640	0.014820	0.000000	0.000741	0.000741	0.000000	0.002608	0.007841	0.000000	0.000000
Medical Office Building	0.932889	0.028704	0.014352	0.007176	0.007176	0.000000	0.000718	0.000718	0.000000	0.002526	0.005741	0.000000	0.000000
Parking Lot	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.6485	5.8956	4.9523	0.0354		0.4481	0.4481		0.4481	0.4481		7,074.7462	7,074.7462	0.1356	0.1297	7,116.7879
NaturalGas Unmitigated	0.6485	5.8956	4.9523	0.0354		0.4481	0.4481		0.4481	0.4481		7,074.7462	7,074.7462	0.1356	0.1297	7,116.7879

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	23420.1	0.2526	2.2961	1.9287	0.0138		0.1745	0.1745		0.1745	0.1745		2,755.3006	2,755.3006	0.0528	0.0505	2,771.6739
Hospital	31581.6	0.3406	3.0962	2.6008	0.0186		0.2353	0.2353		0.2353	0.2353		3,715.4811	3,715.4811	0.0712	0.0681	3,737.5603
Medical Office Building	2566.85	0.0554	0.5033	0.4228	3.0200e-003		0.0383	0.0383		0.0383	0.0383		603.9645	603.9645	0.0116	0.0111	607.5536
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.6485	5.8956	4.9523	0.0354		0.4481	0.4481		0.4481	0.4481		7,074.7462	7,074.7462	0.1356	0.1297	7,116.7879

Mitigated

	Natural Gas 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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	23.4201	0.2526	2.2961	1.9287	0.0138		0.1745	0.1745		0.1745	0.1745		2,755.3006	2,755.3006	0.0528	0.0505	2,771.6739
Hospital	31.5816	0.3406	3.0962	2.6008	0.0186		0.2353	0.2353		0.2353	0.2353		3,715.4811	3,715.4811	0.0712	0.0681	3,737.5603
Medical Office Building	2.56685	0.0554	0.5033	0.4228	3.0200e-003		0.0383	0.0383		0.0383	0.0383		603.9645	603.9645	0.0116	0.0111	607.5536
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.6485	5.8956	4.9523	0.0354		0.4481	0.4481		0.4481	0.4481		7,074.7462	7,074.7462	0.1356	0.1297	7,116.7879

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	11.2087	1.8500e-003	0.2056	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4432	0.4432	1.1400e-003		0.4717
Unmitigated	11.2087	1.8500e-003	0.2056	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4432	0.4432	1.1400e-003		0.4717

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.2876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.9024					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0188	1.8500e-003	0.2056	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4432	0.4432	1.1400e-003		0.4717
Total	11.2087	1.8500e-003	0.2056	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4432	0.4432	1.1400e-003		0.4717

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.2876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.9024					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0188	1.8500e-003	0.2056	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4432	0.4432	1.1400e-003		0.4717
Total	11.2087	1.8500e-003	0.2056	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4432	0.4432	1.1400e-003		0.4717

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	36	1881	0.73	CNG

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 - CNG (500,000 HP)	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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11.0 Vegetation

QVHSP Full Buildout Operational - Los Angeles-South Coast County, Winter

**QVHSP Full Buildout Operational
Los Angeles-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	178.00	1000sqft	4.09	178,000.00	0
Hospital	132.00	1000sqft	3.03	132,000.00	0
Medical Office Building	90.00	1000sqft	2.07	90,000.00	0
Medical Office Building	90.00	1000sqft	2.07	90,000.00	0
Enclosed Parking with Elevator	500.00	Space	4.50	200,000.00	0
Enclosed Parking with Elevator	500.00	Space	4.50	200,000.00	0
Parking Lot	500.00	Space	3.00	130,680.00	0
Parking Lot	35.00	1000sqft	0.80	35,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2035
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - .

Construction Phase -

Off-road Equipment - Construction emissions calculated separately.

Off-road Equipment - Construction emissions calculated separately.

Off-road Equipment - Construction emissions calculated separately.

Off-road Equipment - Construction emissions calculated separately.

Off-road Equipment - Construction emissions calculated separately.

Off-road Equipment - Construction emissions calculated separately.

Trips and VMT - Construction emissions calculated separately.

Grading - Construction emissions calculated separately.

Architectural Coating - Construction emissions calculated separately.

Vehicle Trips - Per Traffic report

Area Coating -

Energy Use - Default

Construction Off-road Equipment Mitigation -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	0.00
tblArchitecturalCoating	EF_Parking	100.00	0.00
tblFleetMix	HHD	0.04	7.4100e-004
tblFleetMix	HHD	0.04	7.1800e-004
tblFleetMix	LDA	0.54	0.80
tblFleetMix	LDA	0.54	0.93
tblFleetMix	LDT1	0.04	0.07
tblFleetMix	LDT1	0.04	0.03
tblFleetMix	LDT2	0.21	0.07
tblFleetMix	LDT2	0.21	0.01
tblFleetMix	LHD1	0.01	0.01

tblFleetMix	LHD1	0.01	7.1760e-003
tblFleetMix	LHD2	6.4400e-003	0.00
tblFleetMix	LHD2	6.4400e-003	0.00
tblFleetMix	MCY	5.3240e-003	7.8410e-003
tblFleetMix	MCY	5.3240e-003	5.7410e-003
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MDV	0.12	7.1760e-003
tblFleetMix	MH	8.0700e-004	0.00
tblFleetMix	MH	8.0700e-004	0.00
tblFleetMix	MHD	0.02	7.4100e-004
tblFleetMix	MHD	0.02	7.1800e-004
tblFleetMix	OBUS	2.7030e-003	0.00
tblFleetMix	OBUS	2.7030e-003	0.00
tblFleetMix	SBUS	7.3200e-004	0.00
tblFleetMix	SBUS	7.3200e-004	0.00
tblFleetMix	UBUS	1.6290e-003	2.6080e-003
tblFleetMix	UBUS	1.6290e-003	2.5260e-003
tblLandUse	LandUseSquareFeet	200,000.00	130,680.00
tblLandUse	LotAcreage	4.50	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	1,881.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	36.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	VendorTripNumber	173.00	0.00
tblTripsAndVMT	WorkerTripNumber	394.00	0.00
tblTripsAndVMT	WorkerTripNumber	79.00	0.00
tblVehicleTrips	ST_TR	10.18	8.26
tblVehicleTrips	ST_TR	8.96	8.63
tblVehicleTrips	SU_TR	8.91	7.23
tblVehicleTrips	SU_TR	1.55	1.49
tblVehicleTrips	WD_TR	13.22	10.72
tblVehicleTrips	WD_TR	36.13	34.80

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

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

2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2020	0.4978	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.4978	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2020	0.4978	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.4978	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	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

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	11.2087	1.8500e-003	0.2056	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4432	0.4432	1.1400e-003		0.4717
Energy	0.6485	5.8956	4.9523	0.0354		0.4481	0.4481		0.4481	0.4481		7,074.7462	7,074.7462	0.1356	0.1297	7,116.7879
Mobile	7.7641	8.7170	94.0504	0.3643	61.0819	0.2424	61.3243	16.2370	0.2237	16.4607		36,830.0733	36,830.0733	1.6849		36,872.1969
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	19.6214	14.6144	99.2083	0.3997	61.0819	0.6912	61.7731	16.2370	0.6725	16.9095		43,905.2626	43,905.2626	1.8217	0.1297	43,989.4564

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	11.2087	1.8500e-003	0.2056	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4432	0.4432	1.1400e-003		0.4717
Energy	0.6485	5.8956	4.9523	0.0354		0.4481	0.4481		0.4481	0.4481		7,074.7462	7,074.7462	0.1356	0.1297	7,116.7879
Mobile	7.7641	8.7170	94.0504	0.3643	61.0819	0.2424	61.3243	16.2370	0.2237	16.4607		36,830.0733	36,830.0733	1.6849		36,872.1969
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	19.6214	14.6144	99.2083	0.3997	61.0819	0.6912	61.7731	16.2370	0.6725	16.9095		43,905.2626	43,905.2626	1.8217	0.1297	43,989.4564

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
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1	Demolition	Demolition	12/4/2018	12/31/2018	5	20
2	Site Preparation	Site Preparation	1/1/2019	1/14/2019	5	10
3	Grading	Grading	1/15/2019	3/4/2019	5	35
4	Building Construction	Building Construction	3/5/2019	8/3/2020	5	370
5	Paving	Paving	8/4/2020	8/31/2020	5	20
6	Architectural Coating	Architectural Coating	9/1/2020	9/28/2020	5	20

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 12.8

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 735,000; Non-Residential Outdoor: 245,000; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Pavers	0	8.00	130	0.42

Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

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

Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.6 Paving - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Paving	0.4978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4978	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Paving	0.4978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4978	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.0 Operational Detail - Mobile

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	7.7641	8.7170	94.0504	0.3643	61.0819	0.2424	61.3243	16.2370	0.2237	16.4607		36,830.0733	36,830.0733	1.6849		36,872.1969
Unmitigated	7.7641	8.7170	94.0504	0.3643	61.0819	0.2424	61.3243	16.2370	0.2237	16.4607		36,830.0733	36,830.0733	1.6849		36,872.1969

4.2 Trip Summary Information

	Average Daily Trip Rate	Unmitigated	Mitigated
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Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hospital	1,908.16	1,470.28	1286.94	6,811,068	6,811,068
Hospital	1,415.04	1,090.32	954.36	5,050,904	5,050,904
Medical Office Building	3,132.00	776.70	134.10	6,140,330	6,140,330
Medical Office Building	3,132.00	776.70	134.10	6,140,330	6,140,330
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	9,587.20	4,114.00	2,509.50	24,142,633	24,142,633

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	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
Enclosed Parking with Elevator	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Hospital	0.804093	0.065414	0.074100	0.029640	0.014820	0.000000	0.000741	0.000741	0.000000	0.002608	0.007841	0.000000	0.000000
Medical Office Building	0.932889	0.028704	0.014352	0.007176	0.007176	0.000000	0.000718	0.000718	0.000000	0.002526	0.005741	0.000000	0.000000
Parking Lot	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.6485	5.8956	4.9523	0.0354		0.4481	0.4481		0.4481	0.4481		7,074.7462	7,074.7462	0.1356	0.1297	7,116.7879
NaturalGas Unmitigated	0.6485	5.8956	4.9523	0.0354		0.4481	0.4481		0.4481	0.4481		7,074.7462	7,074.7462	0.1356	0.1297	7,116.7879

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	23420.1	0.2526	2.2961	1.9287	0.0138		0.1745	0.1745		0.1745	0.1745		2,755.3006	2,755.3006	0.0528	0.0505	2,771.6739
Hospital	31581.6	0.3406	3.0962	2.6008	0.0186		0.2353	0.2353		0.2353	0.2353		3,715.4811	3,715.4811	0.0712	0.0681	3,737.5603
Medical Office Building	2566.85	0.0554	0.5033	0.4228	3.0200e-003		0.0383	0.0383		0.0383	0.0383		603.9645	603.9645	0.0116	0.0111	607.5536
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.6485	5.8956	4.9523	0.0354		0.4481	0.4481		0.4481	0.4481		7,074.7462	7,074.7462	0.1356	0.1297	7,116.7879

Mitigated

	Natural Gas 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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	23.4201	0.2526	2.2961	1.9287	0.0138		0.1745	0.1745		0.1745	0.1745		2,755.3006	2,755.3006	0.0528	0.0505	2,771.6739
Hospital	31.5816	0.3406	3.0962	2.6008	0.0186		0.2353	0.2353		0.2353	0.2353		3,715.4811	3,715.4811	0.0712	0.0681	3,737.5603
Medical Office Building	2.56685	0.0554	0.5033	0.4228	3.0200e-003		0.0383	0.0383		0.0383	0.0383		603.9645	603.9645	0.0116	0.0111	607.5536
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.6485	5.8956	4.9523	0.0354		0.4481	0.4481		0.4481	0.4481		7,074.7462	7,074.7462	0.1356	0.1297	7,116.7879

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	11.2087	1.8500e-003	0.2056	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4432	0.4432	1.1400e-003		0.4717
Unmitigated	11.2087	1.8500e-003	0.2056	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4432	0.4432	1.1400e-003		0.4717

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.2876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.9024					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0188	1.8500e-003	0.2056	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4432	0.4432	1.1400e-003		0.4717
Total	11.2087	1.8500e-003	0.2056	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4432	0.4432	1.1400e-003		0.4717

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.2876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.9024					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0188	1.8500e-003	0.2056	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4432	0.4432	1.1400e-003		0.4717
Total	11.2087	1.8500e-003	0.2056	2.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004		0.4432	0.4432	1.1400e-003		0.4717

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	36	1881	0.73	CNG

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 - CNG (500,000 HP)	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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11.0 Vegetation

Queen of the Valley Hospital Specific Plan- Phases 1A, 1B Operational - Los Angeles-South Coast County, Summer

**Queen of the Valley Hospital Specific Plan- Phases 1A, 1B Operational
Los Angeles-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	171.81	1000sqft	3.94	171,810.00	0
Enclosed Parking with Elevator	500.00	Space	4.50	200,000.00	0
Parking Lot	35.00	1000sqft	0.80	35,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Based on PD and Client-provided data for Phases 1A or 1B
- Construction Phase - .
- Trips and VMT - Defaults
- Demolition -
- Grading -
- Architectural Coating - Adjusted to Match Phasing

Construction Off-road Equipment Mitigation - Tier 3 equipment

Vehicle Trips - Adjusted to match Traffic Report

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	0.03	0.04
tblFleetMix	HHD	0.03	7.4100e-004
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.55	0.54
tblFleetMix	LDA	0.55	0.80
tblFleetMix	LDA	0.55	0.54
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.07
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.07
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.02	0.01
tblFleetMix	LHD1	0.02	0.01
tblFleetMix	LHD1	0.02	0.01
tblFleetMix	LHD2	6.2270e-003	6.4400e-003
tblFleetMix	LHD2	6.2270e-003	0.00
tblFleetMix	LHD2	6.2270e-003	6.4400e-003
tblFleetMix	MCY	5.1840e-003	5.3240e-003
tblFleetMix	MCY	5.1840e-003	7.8413e-003
tblFleetMix	MCY	5.1840e-003	5.3240e-003
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MH	8.6200e-004	8.0700e-004
tblFleetMix	MH	8.6200e-004	0.00
tblFleetMix	MH	8.6200e-004	8.0700e-004

tblFleetMix	MHD	0.02	0.02
tblFleetMix	MHD	0.02	7.4100e-004
tblFleetMix	MHD	0.02	0.02
tblFleetMix	OBUS	2.5460e-003	2.7030e-003
tblFleetMix	OBUS	2.5460e-003	0.00
tblFleetMix	OBUS	2.5460e-003	2.7030e-003
tblFleetMix	SBUS	6.9200e-004	7.3200e-004
tblFleetMix	SBUS	6.9200e-004	0.00
tblFleetMix	SBUS	6.9200e-004	7.3200e-004
tblFleetMix	UBUS	2.1330e-003	1.6290e-003
tblFleetMix	UBUS	2.1330e-003	2.6083e-003
tblFleetMix	UBUS	2.1330e-003	1.6290e-003
tblVehicleTrips	ST_TR	10.18	16.25
tblVehicleTrips	SU_TR	8.91	14.22
tblVehicleTrips	WD_TR	13.22	21.10

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	12.4779	127.4288	66.9052	0.1204	54.8024	2.1991	61.3997	29.9521	2.0232	36.0216	0.0000	11,690.4056	11,690.4056	3.5955	0.0000	11,780.2940
2021	2.7647	24.3908	24.4785	0.0618	2.1503	0.9858	3.1361	0.5800	0.9268	1.5068	0.0000	6,148.7697	6,148.7697	0.7762	0.0000	6,168.1744
2022	2.5157	22.2116	23.6951	0.0610	2.1503	0.8341	2.9844	0.5800	0.7847	1.3647	0.0000	6,072.0060	6,072.0060	0.7634	0.0000	6,091.0913
2023	83.2102	10.2278	15.0975	0.0244	0.3465	0.5115	0.6791	0.0919	0.4706	0.5150	0.0000	2,366.3564	2,366.3564	0.7181	0.0000	2,384.3084

Maximum	83.2102	127.4288	66.9052	0.1204	54.8024	2.1991	61.3997	29.9521	2.0232	36.0216	0.0000	11,690.4056	11,690.4056	3.5955	0.0000	11,780.2940
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Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	12.4779	127.4288	66.9052	0.1204	21.7411	2.1991	28.3384	11.7790	2.0232	17.8485	0.0000	11,690.4056	11,690.4056	3.5955	0.0000	11,780.2940
2021	2.7647	24.3908	24.4785	0.0618	2.1503	0.9858	3.1361	0.5800	0.9268	1.5068	0.0000	6,148.7697	6,148.7697	0.7762	0.0000	6,168.1744
2022	2.5157	22.2116	23.6951	0.0610	2.1503	0.8341	2.9844	0.5800	0.7847	1.3647	0.0000	6,072.0060	6,072.0060	0.7634	0.0000	6,091.0913
2023	83.2102	10.2278	15.0975	0.0244	0.3465	0.5115	0.6791	0.0919	0.4706	0.5150	0.0000	2,366.3564	2,366.3564	0.7181	0.0000	2,384.3084
Maximum	83.2102	127.4288	66.9052	0.1204	21.7411	2.1991	28.3384	11.7790	2.0232	17.8485	0.0000	11,690.4056	11,690.4056	3.5955	0.0000	11,780.2940

	ROG	NOx	CO	SO2	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	55.61	0.00	48.48	58.24	0.00	46.12	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.9460	6.6000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1547	0.1547	4.1000e-004		0.1648
Energy	0.3287	2.9886	2.5104	0.0179		0.2271	0.2271		0.2271	0.2271		3,586.2742	3,586.2742	0.0687	0.0658	3,607.5856

Mobile	6.3912	9.3218	88.5794	0.2633	29.5055	0.2425	29.7480	7.8488	0.2249	8.0736		26,481.9005	26,481.9005	1.4787		26,518.8681
Total	10.6659	12.3110	91.1619	0.2813	29.5055	0.4699	29.9754	7.8488	0.4523	8.3010		30,068.3294	30,068.3294	1.5479	0.0658	30,126.6185

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.9460	6.6000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1547	0.1547	4.1000e-004		0.1648
Energy	0.3287	2.9886	2.5104	0.0179		0.2271	0.2271		0.2271	0.2271		3,586.2742	3,586.2742	0.0687	0.0658	3,607.5856
Mobile	6.3912	9.3218	88.5794	0.2633	29.5055	0.2425	29.7480	7.8488	0.2249	8.0736		26,481.9005	26,481.9005	1.4787		26,518.8681
Total	10.6659	12.3110	91.1619	0.2813	29.5055	0.4699	29.9754	7.8488	0.4523	8.3010		30,068.3294	30,068.3294	1.5479	0.0658	30,126.6185

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2020	1/14/2020	5	10	Phase 1 Site Preparation
2	Phase 1B Site Preparation	Site Preparation	1/15/2020	1/28/2020	5	10	
3	Phase 2 Site Preparation	Site Preparation	1/29/2020	2/11/2020	5	10	
4	Phase 1A Grading	Grading	2/12/2020	3/10/2020	5	20	
5	Phase 1B Grading	Grading	3/11/2020	4/7/2020	5	20	
6	Phase 2 Grading	Grading	4/8/2020	5/5/2020	5	20	

7	Phase 1A Building Construction	Building Construction	5/6/2020	3/23/2021	5	230
8	Phase 1B Building Construction	Building Construction	3/24/2021	2/8/2022	5	230
9	Phase 2 Building Construction	Building Construction	2/9/2022	12/27/2022	5	230
10	Phase 1A Paving	Paving	12/28/2022	1/24/2023	5	20
11	Phase 1B Paving	Paving	1/25/2023	2/21/2023	5	20
12	Phase 2 Paving	Paving	2/22/2023	3/21/2023	5	20
13	Phase 1A Architectural Coating	Architectural Coating	3/22/2023	4/18/2023	5	20
14	Phase 1B Architectural Coating	Architectural Coating	4/19/2023	5/16/2023	5	20
15	Phase 2 Architectural Coating	Architectural Coating	5/17/2023	6/13/2023	5	20

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 257,715; Non-Residential Outdoor: 85,905; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 1B Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Phase 1B Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 2 Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Phase 2 Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 1A Grading	Excavators	1	8.00	158	0.38
Phase 1A Grading	Graders	1	8.00	187	0.41
Phase 1A Grading	Rubber Tired Dozers	1	8.00	247	0.40
Phase 1A Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Phase 1B Grading	Excavators	1	8.00	158	0.38
Phase 1B Grading	Graders	1	8.00	187	0.41
Phase 1B Grading	Rubber Tired Dozers	1	8.00	247	0.40

Phase 1B Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Phase 2 Grading	Excavators	1	8.00	158	0.38
Phase 2 Grading	Graders	1	8.00	187	0.41
Phase 2 Grading	Rubber Tired Dozers	1	8.00	247	0.40
Phase 2 Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Phase 1A Building Construction	Cranes	1	7.00	231	0.29
Phase 1A Building Construction	Forklifts	3	8.00	89	0.20
Phase 1A Building Construction	Generator Sets	1	8.00	84	0.74
Phase 1A Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1A Building Construction	Welders	1	8.00	46	0.45
Phase 1B Building Construction	Cranes	1	7.00	231	0.29
Phase 1B Building Construction	Forklifts	3	8.00	89	0.20
Phase 1B Building Construction	Generator Sets	1	8.00	84	0.74
Phase 1B Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1B Building Construction	Welders	1	8.00	46	0.45
Phase 2 Building Construction	Cranes	1	7.00	231	0.29
Phase 2 Building Construction	Forklifts	3	8.00	89	0.20
Phase 2 Building Construction	Generator Sets	1	8.00	84	0.74
Phase 2 Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 2 Building Construction	Welders	1	8.00	46	0.45
Phase 1A Paving	Pavers	2	8.00	130	0.42
Phase 1A Paving	Paving Equipment	2	8.00	132	0.36
Phase 1A Paving	Rollers	2	8.00	80	0.38
Phase 1B Paving	Pavers	2	8.00	130	0.42
Phase 1B Paving	Paving Equipment	2	8.00	132	0.36
Phase 1B Paving	Rollers	2	8.00	80	0.38
Phase 2 Paving	Pavers	2	8.00	130	0.42
Phase 2 Paving	Paving Equipment	2	8.00	132	0.36
Phase 2 Paving	Rollers	2	8.00	80	0.38
Phase 1A Architectural Coating	Air Compressors	1	6.00	78	0.48

Phase 1B Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase 2 Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	
Site Preparation		7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1B Site Preparation		7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Site Preparation		7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1A Grading		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1B Grading		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Grading		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1A Building Construction		9	154.00	67.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1B Building Construction		9	154.00	67.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Building Construction		9	154.00	67.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1A Paving		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1B Paving		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Paving		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1A Architectural Coating		1	31.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1B Architectural Coating		1	31.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Architectural Coating		1	31.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672
Total	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000

Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	7.0458	2.1974	9.2433	3.8730	2.0216	5.8946	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672
Total	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672

3.3 Phase 1B Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672
Total	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	7.0458	2.1974	9.2433	3.8730	2.0216	5.8946	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003	211.8672
Total	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003	211.8672

3.4 Phase 2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672
Total	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	7.0458	2.1974	9.2433	3.8730	2.0216	5.8946	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672
Total	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672

3.5 Phase 1A Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	6.5523	1.2734	7.8258	3.3675	1.1716	4.5390		2,872.4851	2,872.4851	0.9290		2,895.7106

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560
Total	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000		0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.4851	2,872.4851	0.9290	2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	2.5554	1.2734	3.8288	1.3133	1.1716	2.4849	0.0000	2,872.4851	2,872.4851	0.9290	2,895.7106

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560
Total	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560

3.6 Phase 1B Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106

Total	2.4288	26.3859	16.0530	0.0297	6.5523	1.2734	7.8258	3.3675	1.1716	4.5390		2,872.485	2,872.4851	0.9290		2,895.710
												1				6

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560
Total	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.485	2,872.4851	0.9290		2,895.710
												1				6
Total	2.4288	26.3859	16.0530	0.0297	2.5554	1.2734	3.8288	1.3133	1.1716	2.4849	0.0000	2,872.485	2,872.4851	0.9290		2,895.710
												1				6

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560
Total	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560

3.7 Phase 2 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	6.5523	1.2734	7.8258	3.3675	1.1716	4.5390		2,872.4851	2,872.4851	0.9290		2,895.7106

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560
Total	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	2.5554	1.2734	3.8288	1.3133	1.1716	2.4849	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560

Total	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560
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3.8 Phase 1A Building Construction - 2020

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2383	7.1270	1.8673	0.0174	0.4289	0.0335	0.4625	0.1235	0.0321	0.1556		1,856.0655	1,856.0655	0.1133		1,858.8970
Worker	0.7087	0.5042	6.7428	0.0182	1.7214	0.0144	1.7358	0.4565	0.0133	0.4698		1,811.2138	1,811.2138	0.0571		1,812.6414
Total	0.9470	7.6311	8.6101	0.0356	2.1503	0.0479	2.1982	0.5800	0.0454	0.6254		3,667.2793	3,667.2793	0.1704		3,671.5384

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2383	7.1270	1.8673	0.0174	0.4289	0.0335	0.4625	0.1235	0.0321	0.1556		1,856.0655	1,856.0655	0.1133		1,858.8970
Worker	0.7087	0.5042	6.7428	0.0182	1.7214	0.0144	1.7358	0.4565	0.0133	0.4698		1,811.2138	1,811.2138	0.0571		1,812.6414
Total	0.9470	7.6311	8.6101	0.0356	2.1503	0.0479	2.1982	0.5800	0.0454	0.6254		3,667.2793	3,667.2793	0.1704		3,671.5384

3.8 Phase 1A Building Construction - 2021

Unmitigated Construction On-Site

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

Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2037	6.5050	1.7006	0.0172	0.4289	0.0133	0.4423	0.1235	0.0127	0.1362		1,841.7002	1,841.7002	0.1085		1,844.4127
Worker	0.6601	0.4537	6.2027	0.0176	1.7214	0.0139	1.7353	0.4565	0.0128	0.4693		1,753.7056	1,753.7056	0.0517		1,754.9974
Total	0.8638	6.9587	7.9033	0.0348	2.1503	0.0272	2.1775	0.5800	0.0255	0.6055		3,595.4058	3,595.4058	0.1602		3,599.4101

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.2037	6.5050	1.7006	0.0172	0.4289	0.0133	0.4423	0.1235	0.0127	0.1362		1,841.7002	1,841.7002	0.1085			1,844.4127
Worker	0.6601	0.4537	6.2027	0.0176	1.7214	0.0139	1.7353	0.4565	0.0128	0.4693		1,753.7056	1,753.7056	0.0517			1,754.9974
Total	0.8638	6.9587	7.9033	0.0348	2.1503	0.0272	2.1775	0.5800	0.0255	0.6055		3,595.4058	3,595.4058	0.1602			3,599.4101

3.9 Phase 1B Building Construction - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2037	6.5050	1.7006	0.0172	0.4289	0.0133	0.4423	0.1235	0.0127	0.1362		1,841.7002	1,841.7002	0.1085		1,844.4127
Worker	0.6601	0.4537	6.2027	0.0176	1.7214	0.0139	1.7353	0.4565	0.0128	0.4693		1,753.7056	1,753.7056	0.0517		1,754.9974
Total	0.8638	6.9587	7.9033	0.0348	2.1503	0.0272	2.1775	0.5800	0.0255	0.6055		3,595.4058	3,595.4058	0.1602		3,599.4101

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.2037	6.5050	1.7006	0.0172	0.4289	0.0133	0.4423	0.1235	0.0127	0.1362		1,841.7002	1,841.7002	0.1085		1,844.4127
Worker	0.6601	0.4537	6.2027	0.0176	1.7214	0.0139	1.7353	0.4565	0.0128	0.4693		1,753.7056	1,753.7056	0.0517		1,754.9974
Total	0.8638	6.9587	7.9033	0.0348	2.1503	0.0272	2.1775	0.5800	0.0255	0.6055		3,595.4058	3,595.4058	0.1602		3,599.4101

3.9 Phase 1B Building Construction - 2022

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1911	6.1861	1.6090	0.0171	0.4290	0.0116	0.4406	0.1235	0.0111	0.1346		1,825.6555	1,825.6555	0.1048		1,828.2746
Worker	0.6184	0.4099	5.7227	0.0170	1.7214	0.0135	1.7348	0.4565	0.0124	0.4689		1,692.0170	1,692.0170	0.0467		1,693.1845
Total	0.8095	6.5960	7.3317	0.0340	2.1503	0.0251	2.1754	0.5800	0.0235	0.6035		3,517.6724	3,517.6724	0.1515		3,521.4591

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1911	6.1861	1.6090	0.0171	0.4290	0.0116	0.4406	0.1235	0.0111	0.1346		1,825.6555	1,825.6555	0.1048		1,828.2746
Worker	0.6184	0.4099	5.7227	0.0170	1.7214	0.0135	1.7348	0.4565	0.0124	0.4689		1,692.0170	1,692.0170	0.0467		1,693.1845
Total	0.8095	6.5960	7.3317	0.0340	2.1503	0.0251	2.1754	0.5800	0.0235	0.6035		3,517.6724	3,517.6724	0.1515		3,521.4591

3.10 Phase 2 Building Construction - 2022

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1911	6.1861	1.6090	0.0171	0.4290	0.0116	0.4406	0.1235	0.0111	0.1346		1,825.6555	1,825.6555	0.1048		1,828.2746
Worker	0.6184	0.4099	5.7227	0.0170	1.7214	0.0135	1.7348	0.4565	0.0124	0.4689		1,692.0170	1,692.0170	0.0467		1,693.1845
Total	0.8095	6.5960	7.3317	0.0340	2.1503	0.0251	2.1754	0.5800	0.0235	0.6035		3,517.6724	3,517.6724	0.1515		3,521.4591

Mitigated Construction On-Site

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

Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1911	6.1861	1.6090	0.0171	0.4290	0.0116	0.4406	0.1235	0.0111	0.1346		1,825.6555	1,825.6555	0.1048		1,828.2746
Worker	0.6184	0.4099	5.7227	0.0170	1.7214	0.0135	1.7348	0.4565	0.0124	0.4689		1,692.0170	1,692.0170	0.0467		1,693.1845
Total	0.8095	6.5960	7.3317	0.0340	2.1503	0.0251	2.1754	0.5800	0.0235	0.6035		3,517.6724	3,517.6724	0.1515		3,521.4591

3.11 Phase 1A Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2076	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
Total	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2076	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003	164.9206
Total	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003	164.9206

3.11 Phase 1A Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.1048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1375	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.1048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1375	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748

3.12 Phase 1B Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.1048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1375	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.1048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1375	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748

3.13 Phase 2 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.1048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	1.1375	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.1048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1375	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748

3.14 Phase 1A Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	82.9016					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	83.0933	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1169	0.0747	1.0609	3.2900e-003	0.3465	2.6400e-003	0.3491	0.0919	2.4300e-003	0.0943		328.1294	328.1294	8.4800e-003		328.3413
Total	0.1169	0.0747	1.0609	3.2900e-003	0.3465	2.6400e-003	0.3491	0.0919	2.4300e-003	0.0943		328.1294	328.1294	8.4800e-003		328.3413

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	82.9016					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	83.0933	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1169	0.0747	1.0609	3.2900e-003	0.3465	2.6400e-003	0.3491	0.0919	2.4300e-003	0.0943		328.1294	328.1294	8.4800e-003		328.3413

Total	0.1169	0.0747	1.0609	3.2900e-003	0.3465	2.6400e-003	0.3491	0.0919	2.4300e-003	0.0943		328.1294	328.1294	8.4800e-003		328.3413
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3.15 Phase 1B Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	82.9016					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168			281.8690
Total	83.0933	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168			281.8690

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.1169	0.0747	1.0609	3.2900e-003	0.3465	2.6400e-003	0.3491	0.0919	2.4300e-003	0.0943		328.1294	328.1294	8.4800e-003			328.3413
Total	0.1169	0.0747	1.0609	3.2900e-003	0.3465	2.6400e-003	0.3491	0.0919	2.4300e-003	0.0943		328.1294	328.1294	8.4800e-003			328.3413

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	82.9016					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	83.0933	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1169	0.0747	1.0609	3.2900e-003	0.3465	2.6400e-003	0.3491	0.0919	2.4300e-003	0.0943		328.1294	328.1294	8.4800e-003		328.3413
Total	0.1169	0.0747	1.0609	3.2900e-003	0.3465	2.6400e-003	0.3491	0.0919	2.4300e-003	0.0943		328.1294	328.1294	8.4800e-003		328.3413

3.16 Phase 2 Architectural Coating - 2023

Unmitigated Construction On-Site

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

Archit. Coating	82.9016					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	83.0933	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1169	0.0747	1.0609	3.2900e-003	0.3465	2.6400e-003	0.3491	0.0919	2.4300e-003	0.0943		328.1294	328.1294	8.4800e-003		328.3413
Total	0.1169	0.0747	1.0609	3.2900e-003	0.3465	2.6400e-003	0.3491	0.0919	2.4300e-003	0.0943		328.1294	328.1294	8.4800e-003		328.3413

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	82.9016					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	83.0933	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1169	0.0747	1.0609	3.2900e-003	0.3465	2.6400e-003	0.3491	0.0919	2.4300e-003	0.0943		328.1294	328.1294	8.4800e-003		328.3413
Total	0.1169	0.0747	1.0609	3.2900e-003	0.3465	2.6400e-003	0.3491	0.0919	2.4300e-003	0.0943		328.1294	328.1294	8.4800e-003		328.3413

4.0 Operational Detail - Mobile

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	6.3912	9.3218	88.5794	0.2633	29.5055	0.2425	29.7480	7.8488	0.2249	8.0736		26,481.9005	26,481.9005	1.4787		26,518.8681
Unmitigated	6.3912	9.3218	88.5794	0.2633	29.5055	0.2425	29.7480	7.8488	0.2249	8.0736		26,481.9005	26,481.9005	1.4787		26,518.8681

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hospital	3,625.53	2,791.74	2443.48	12,939,178	12,939,178
Parking Lot	0.00	0.00	0.00		
Total	3,625.53	2,791.74	2,443.48	12,939,178	12,939,178

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Parking Lot	16.60	8.40	6.90	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
Enclosed Parking with Elevator	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Hospital	0.804093	0.065414	0.074100	0.029640	0.014820	0.000000	0.000741	0.000741	0.000000	0.002608	0.007841	0.000000	0.000000
Parking Lot	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Natural Gas	0.3287	2.9886	2.5104	0.0179		0.2271	0.2271		0.2271	0.2271		3,586.274	3,586.2742	0.0687	0.0658	3,607.585
Mitigated												2				6

NaturalGas Unmitigated	0.3287	2.9886	2.5104	0.0179		0.2271	0.2271		0.2271	0.2271		3,586.2742	3,586.2742	0.0687	0.0658	3,607.5856
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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	30483.3	0.3287	2.9886	2.5104	0.0179		0.2271	0.2271		0.2271	0.2271		3,586.2742	3,586.2742	0.0687	0.0658	3,607.5856
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.3287	2.9886	2.5104	0.0179		0.2271	0.2271		0.2271	0.2271		3,586.2742	3,586.2742	0.0687	0.0658	3,607.5856

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	30.4833	0.3287	2.9886	2.5104	0.0179		0.2271	0.2271		0.2271	0.2271		3,586.2742	3,586.2742	0.0687	0.0658	3,607.5856
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.3287	2.9886	2.5104	0.0179		0.2271	0.2271		0.2271	0.2271		3,586.2742	3,586.2742	0.0687	0.0658	3,607.5856

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	3.9460	6.6000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1547	0.1547	4.1000e-004			0.1648
Unmitigated	3.9460	6.6000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1547	0.1547	4.1000e-004			0.1648

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	0.4543					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Consumer Products	3.4851					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Landscaping	6.6800e-003	6.6000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1547	0.1547	4.1000e-004			0.1648
Total	3.9460	6.6000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1547	0.1547	4.1000e-004			0.1648

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	0.4543					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.4851					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.6800e-003	6.6000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1547	0.1547	4.1000e-004		0.1648
Total	3.9460	6.6000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1547	0.1547	4.1000e-004		0.1648

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Queen of the Valley Hospital Specific Plan- Phases 1A, 1B Operational - Los Angeles-South Coast County, Winter

**Queen of the Valley Hospital Specific Plan- Phases 1A, 1B Operational
Los Angeles-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	171.81	1000sqft	3.94	171,810.00	0
Enclosed Parking with Elevator	500.00	Space	4.50	200,000.00	0
Parking Lot	35.00	1000sqft	0.80	35,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Based on PD and Client-provided data for Phases 1A or 1B
- Construction Phase - .
- Trips and VMT - Defaults
- Demolition -
- Grading -
- Architectural Coating - Adjusted to Match Phasing

Construction Off-road Equipment Mitigation - Tier 3 equipment

Vehicle Trips - Adjusted to match Traffic Report

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	0.03	0.04
tblFleetMix	HHD	0.03	7.4100e-004
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.55	0.54
tblFleetMix	LDA	0.55	0.80
tblFleetMix	LDA	0.55	0.54
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.07
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.07
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.02	0.01
tblFleetMix	LHD1	0.02	0.01
tblFleetMix	LHD1	0.02	0.01
tblFleetMix	LHD2	6.2270e-003	6.4400e-003
tblFleetMix	LHD2	6.2270e-003	0.00
tblFleetMix	LHD2	6.2270e-003	6.4400e-003
tblFleetMix	MCY	5.1840e-003	5.3240e-003
tblFleetMix	MCY	5.1840e-003	7.8413e-003
tblFleetMix	MCY	5.1840e-003	5.3240e-003
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MDV	0.12	0.03
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MH	8.6200e-004	8.0700e-004
tblFleetMix	MH	8.6200e-004	0.00
tblFleetMix	MH	8.6200e-004	8.0700e-004

tblFleetMix	MHD	0.02	0.02
tblFleetMix	MHD	0.02	7.4100e-004
tblFleetMix	MHD	0.02	0.02
tblFleetMix	OBUS	2.5460e-003	2.7030e-003
tblFleetMix	OBUS	2.5460e-003	0.00
tblFleetMix	OBUS	2.5460e-003	2.7030e-003
tblFleetMix	SBUS	6.9200e-004	7.3200e-004
tblFleetMix	SBUS	6.9200e-004	0.00
tblFleetMix	SBUS	6.9200e-004	7.3200e-004
tblFleetMix	UBUS	2.1330e-003	1.6290e-003
tblFleetMix	UBUS	2.1330e-003	2.6083e-003
tblFleetMix	UBUS	2.1330e-003	1.6290e-003
tblVehicleTrips	ST_TR	10.18	16.25
tblVehicleTrips	SU_TR	8.91	14.22
tblVehicleTrips	WD_TR	13.22	21.10

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	12.5054	127.4477	66.7063	0.1200	54.8024	2.1991	61.3997	29.9521	2.0232	36.0216	0.0000	11,653.317	11,653.3117	3.5944	0.0000	11,743.1706
2021	2.8490	24.4259	24.1275	0.0603	2.1503	0.9863	3.1366	0.5800	0.9272	1.5072	0.0000	5,995.8456	5,995.8456	0.7802	0.0000	6,015.3516
2022	2.5966	22.2385	23.3674	0.0595	2.1503	0.8345	2.9848	0.5800	0.7851	1.3651	0.0000	5,922.8714	5,922.8714	0.7674	0.0000	5,942.0561
2023	83.2241	10.2316	15.0519	0.0243	0.3465	0.5115	0.6791	0.0919	0.4706	0.5150	0.0000	2,357.0922	2,357.0922	0.7178	0.0000	2,375.0379

Maximum	83.2241	127.4477	66.7063	0.1200	54.8024	2.1991	61.3997	29.9521	2.0232	36.0216	0.0000	11,653.3117	11,653.3117	3.5944	0.0000	11,743.1706
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Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	12.5054	127.4477	66.7063	0.1200	21.7411	2.1991	28.3384	11.7790	2.0232	17.8485	0.0000	11,653.3117	11,653.3117	3.5944	0.0000	11,743.1706
2021	2.8490	24.4259	24.1275	0.0603	2.1503	0.9863	3.1366	0.5800	0.9272	1.5072	0.0000	5,995.8456	5,995.8456	0.7802	0.0000	6,015.3516
2022	2.5966	22.2385	23.3674	0.0595	2.1503	0.8345	2.9848	0.5800	0.7851	1.3651	0.0000	5,922.8714	5,922.8714	0.7674	0.0000	5,942.0561
2023	83.2241	10.2316	15.0519	0.0243	0.3465	0.5115	0.6791	0.0919	0.4706	0.5150	0.0000	2,357.0922	2,357.0922	0.7178	0.0000	2,375.0379
Maximum	83.2241	127.4477	66.7063	0.1200	21.7411	2.1991	28.3384	11.7790	2.0232	17.8485	0.0000	11,653.3117	11,653.3117	3.5944	0.0000	11,743.1706

	ROG	NOx	CO	SO2	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	55.61	0.00	48.48	58.24	0.00	46.11	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.9460	6.6000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1547	0.1547	4.1000e-004		0.1648
Energy	0.3287	2.9886	2.5104	0.0179		0.2271	0.2271		0.2271	0.2271		3,586.2742	3,586.2742	0.0687	0.0658	3,607.5856

Mobile	6.1819	10.0312	83.1026	0.2485	29.5055	0.2425	29.7480	7.8488	0.2249	8.0737		25,006.81 10	25,006.811 0	1.4548		25,043.18 16
Total	10.4566	13.0205	85.6852	0.2665	29.5055	0.4699	29.9754	7.8488	0.4523	8.3011		28,593.23 99	28,593.239 9	1.5240	0.0658	28,650.93 21

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.9460	6.6000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1547	0.1547	4.1000e-004		0.1648
Energy	0.3287	2.9886	2.5104	0.0179		0.2271	0.2271		0.2271	0.2271		3,586.274 2	3,586.2742	0.0687	0.0658	3,607.585 6
Mobile	6.1819	10.0312	83.1026	0.2485	29.5055	0.2425	29.7480	7.8488	0.2249	8.0737		25,006.81 10	25,006.811 0	1.4548		25,043.18 16
Total	10.4566	13.0205	85.6852	0.2665	29.5055	0.4699	29.9754	7.8488	0.4523	8.3011		28,593.23 99	28,593.239 9	1.5240	0.0658	28,650.93 21

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2020	1/14/2020	5	10	Phase 1 Site Preparation
2	Phase 1B Site Preparation	Site Preparation	1/15/2020	1/28/2020	5	10	
3	Phase 2 Site Preparation	Site Preparation	1/29/2020	2/11/2020	5	10	
4	Phase 1A Grading	Grading	2/12/2020	3/10/2020	5	20	
5	Phase 1B Grading	Grading	3/11/2020	4/7/2020	5	20	
6	Phase 2 Grading	Grading	4/8/2020	5/5/2020	5	20	

7	Phase 1A Building Construction	Building Construction	5/6/2020	3/23/2021	5	230
8	Phase 1B Building Construction	Building Construction	3/24/2021	2/8/2022	5	230
9	Phase 2 Building Construction	Building Construction	2/9/2022	12/27/2022	5	230
10	Phase 1A Paving	Paving	12/28/2022	1/24/2023	5	20
11	Phase 1B Paving	Paving	1/25/2023	2/21/2023	5	20
12	Phase 2 Paving	Paving	2/22/2023	3/21/2023	5	20
13	Phase 1A Architectural Coating	Architectural Coating	3/22/2023	4/18/2023	5	20
14	Phase 1B Architectural Coating	Architectural Coating	4/19/2023	5/16/2023	5	20
15	Phase 2 Architectural Coating	Architectural Coating	5/17/2023	6/13/2023	5	20

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 257,715; Non-Residential Outdoor: 85,905; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 1B Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Phase 1B Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 2 Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Phase 2 Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 1A Grading	Excavators	1	8.00	158	0.38
Phase 1A Grading	Graders	1	8.00	187	0.41
Phase 1A Grading	Rubber Tired Dozers	1	8.00	247	0.40
Phase 1A Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Phase 1B Grading	Excavators	1	8.00	158	0.38
Phase 1B Grading	Graders	1	8.00	187	0.41
Phase 1B Grading	Rubber Tired Dozers	1	8.00	247	0.40

Phase 1B Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Phase 2 Grading	Excavators	1	8.00	158	0.38
Phase 2 Grading	Graders	1	8.00	187	0.41
Phase 2 Grading	Rubber Tired Dozers	1	8.00	247	0.40
Phase 2 Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Phase 1A Building Construction	Cranes	1	7.00	231	0.29
Phase 1A Building Construction	Forklifts	3	8.00	89	0.20
Phase 1A Building Construction	Generator Sets	1	8.00	84	0.74
Phase 1A Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1A Building Construction	Welders	1	8.00	46	0.45
Phase 1B Building Construction	Cranes	1	7.00	231	0.29
Phase 1B Building Construction	Forklifts	3	8.00	89	0.20
Phase 1B Building Construction	Generator Sets	1	8.00	84	0.74
Phase 1B Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 1B Building Construction	Welders	1	8.00	46	0.45
Phase 2 Building Construction	Cranes	1	7.00	231	0.29
Phase 2 Building Construction	Forklifts	3	8.00	89	0.20
Phase 2 Building Construction	Generator Sets	1	8.00	84	0.74
Phase 2 Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 2 Building Construction	Welders	1	8.00	46	0.45
Phase 1A Paving	Pavers	2	8.00	130	0.42
Phase 1A Paving	Paving Equipment	2	8.00	132	0.36
Phase 1A Paving	Rollers	2	8.00	80	0.38
Phase 1B Paving	Pavers	2	8.00	130	0.42
Phase 1B Paving	Paving Equipment	2	8.00	132	0.36
Phase 1B Paving	Rollers	2	8.00	80	0.38
Phase 2 Paving	Pavers	2	8.00	130	0.42
Phase 2 Paving	Paving Equipment	2	8.00	132	0.36
Phase 2 Paving	Rollers	2	8.00	80	0.38
Phase 1A Architectural Coating	Air Compressors	1	6.00	78	0.48

Phase 1B Architectural Coating	Air Compressors	1	6.00	78	0.48
Phase 2 Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	
Site Preparation		7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1B Site Preparation		7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Site Preparation		7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1A Grading		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1B Grading		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Grading		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1A Building Construction		9	154.00	67.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1B Building Construction		9	154.00	67.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Building Construction		9	154.00	67.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1A Paving		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1B Paving		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Paving		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1A Architectural Coating		1	31.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1B Architectural Coating		1	31.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Architectural Coating		1	31.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927
Total	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000

Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	7.0458	2.1974	9.2433	3.8730	2.0216	5.8946	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927
Total	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927

3.3 Phase 1B Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927
Total	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	7.0458	2.1974	9.2433	3.8730	2.0216	5.8946	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549	199.3357	199.3357	6.2800e-003	199.4927	
Total	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549	199.3357	199.3357	6.2800e-003	199.4927	

3.4 Phase 2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927
Total	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	7.0458	2.1974	9.2433	3.8730	2.0216	5.8946	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927
Total	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927

3.5 Phase 1A Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	6.5523	1.2734	7.8258	3.3675	1.1716	4.5390		2,872.4851	2,872.4851	0.9290		2,895.7106

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440
Total	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000		0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.4851	2,872.4851	0.9290	2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	2.5554	1.2734	3.8288	1.3133	1.1716	2.4849	0.0000	2,872.4851	2,872.4851	0.9290	2,895.7106

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440
Total	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440

3.6 Phase 1B Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106

Total	2.4288	26.3859	16.0530	0.0297	6.5523	1.2734	7.8258	3.3675	1.1716	4.5390		2,872.485	2,872.4851	0.9290		2,895.710
												1				6

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440
Total	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	2.5554	1.2734	3.8288	1.3133	1.1716	2.4849	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440
Total	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440

3.7 Phase 2 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	6.5523	1.2734	7.8258	3.3675	1.1716	4.5390		2,872.4851	2,872.4851	0.9290		2,895.7106

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440
Total	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	2.5554	1.2734	3.8288	1.3133	1.1716	2.4849	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440

Total	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440
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3.8 Phase 1A Building Construction - 2020

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2491	7.1255	2.0595	0.0169	0.4289	0.0341	0.4630	0.1235	0.0326	0.1561		1,805.3087	1,805.3087	0.1207		1,808.3267
Worker	0.7870	0.5582	6.1756	0.0171	1.7214	0.0144	1.7358	0.4565	0.0133	0.4698		1,705.4274	1,705.4274	0.0538		1,706.7712
Total	1.0361	7.6837	8.2351	0.0340	2.1503	0.0485	2.1988	0.5800	0.0459	0.6259		3,510.7361	3,510.7361	0.1745		3,515.0980

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2491	7.1255	2.0595	0.0169	0.4289	0.0341	0.4630	0.1235	0.0326	0.1561		1,805.3087	1,805.3087	0.1207		1,808.3267
Worker	0.7870	0.5582	6.1756	0.0171	1.7214	0.0144	1.7358	0.4565	0.0133	0.4698		1,705.4274	1,705.4274	0.0538		1,706.7712
Total	1.0361	7.6837	8.2351	0.0340	2.1503	0.0485	2.1988	0.5800	0.0459	0.6259		3,510.7361	3,510.7361	0.1745		3,515.0980

3.8 Phase 1A Building Construction - 2021

Unmitigated Construction On-Site

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

Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2138	6.4916	1.8812	0.0168	0.4289	0.0137	0.4427	0.1235	0.0131	0.1366		1,791.2150	1,791.2150	0.1156		1,794.1059
Worker	0.7343	0.5023	5.6711	0.0166	1.7214	0.0139	1.7353	0.4565	0.0128	0.4693		1,651.2667	1,651.2667	0.0486		1,652.4814
Total	0.9481	6.9938	7.5523	0.0333	2.1503	0.0276	2.1779	0.5800	0.0259	0.6060		3,442.4817	3,442.4817	0.1642		3,446.5873

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.2138	6.4916	1.8812	0.0168	0.4289	0.0137	0.4427	0.1235	0.0131	0.1366		1,791.2150	1,791.2150	0.1156			1,794.1059
Worker	0.7343	0.5023	5.6711	0.0166	1.7214	0.0139	1.7353	0.4565	0.0128	0.4693		1,651.2667	1,651.2667	0.0486			1,652.4814
Total	0.9481	6.9938	7.5523	0.0333	2.1503	0.0276	2.1779	0.5800	0.0259	0.6060		3,442.4817	3,442.4817	0.1642			3,446.5873

3.9 Phase 1B Building Construction - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2138	6.4916	1.8812	0.0168	0.4289	0.0137	0.4427	0.1235	0.0131	0.1366		1,791.2150	1,791.2150	0.1156		1,794.1059
Worker	0.7343	0.5023	5.6711	0.0166	1.7214	0.0139	1.7353	0.4565	0.0128	0.4693		1,651.2667	1,651.2667	0.0486		1,652.4814
Total	0.9481	6.9938	7.5523	0.0333	2.1503	0.0276	2.1779	0.5800	0.0259	0.6060		3,442.4817	3,442.4817	0.1642		3,446.5873

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.2138	6.4916	1.8812	0.0168	0.4289	0.0137	0.4427	0.1235	0.0131	0.1366		1,791.2150	1,791.2150	0.1156		1,794.1059
Worker	0.7343	0.5023	5.6711	0.0166	1.7214	0.0139	1.7353	0.4565	0.0128	0.4693		1,651.2667	1,651.2667	0.0486		1,652.4814
Total	0.9481	6.9938	7.5523	0.0333	2.1503	0.0276	2.1779	0.5800	0.0259	0.6060		3,442.4817	3,442.4817	0.1642		3,446.5873

3.9 Phase 1B Building Construction - 2022

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2007	6.1693	1.7807	0.0166	0.4290	0.0120	0.4410	0.1235	0.0115	0.1350		1,775.3009	1,775.3009	0.1116		1,778.0902
Worker	0.6897	0.4536	5.2233	0.0160	1.7214	0.0135	1.7348	0.4565	0.0124	0.4689		1,593.2370	1,593.2370	0.0439		1,594.3337
Total	0.8904	6.6229	7.0040	0.0326	2.1503	0.0255	2.1758	0.5800	0.0239	0.6039		3,368.5378	3,368.5378	0.1554		3,372.4239

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2007	6.1693	1.7807	0.0166	0.4290	0.0120	0.4410	0.1235	0.0115	0.1350		1,775.3009	1,775.3009	0.1116		1,778.0902
Worker	0.6897	0.4536	5.2233	0.0160	1.7214	0.0135	1.7348	0.4565	0.0124	0.4689		1,593.2370	1,593.2370	0.0439		1,594.3337
Total	0.8904	6.6229	7.0040	0.0326	2.1503	0.0255	2.1758	0.5800	0.0239	0.6039		3,368.5378	3,368.5378	0.1554		3,372.4239

3.10 Phase 2 Building Construction - 2022

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2007	6.1693	1.7807	0.0166	0.4290	0.0120	0.4410	0.1235	0.0115	0.1350		1,775.3009	1,775.3009	0.1116		1,778.0902
Worker	0.6897	0.4536	5.2233	0.0160	1.7214	0.0135	1.7348	0.4565	0.0124	0.4689		1,593.2370	1,593.2370	0.0439		1,594.3337
Total	0.8904	6.6229	7.0040	0.0326	2.1503	0.0255	2.1758	0.5800	0.0239	0.6039		3,368.5378	3,368.5378	0.1554		3,372.4239

Mitigated Construction On-Site

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

Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2007	6.1693	1.7807	0.0166	0.4290	0.0120	0.4410	0.1235	0.0115	0.1350		1,775.3009	1,775.3009	0.1116		1,778.0902
Worker	0.6897	0.4536	5.2233	0.0160	1.7214	0.0135	1.7348	0.4565	0.0124	0.4689		1,593.2370	1,593.2370	0.0439		1,594.3337
Total	0.8904	6.6229	7.0040	0.0326	2.1503	0.0255	2.1758	0.5800	0.0239	0.6039		3,368.5378	3,368.5378	0.1554		3,372.4239

3.11 Phase 1A Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2076	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922
Total	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2076	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003	155.2922
Total	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003	155.2922

3.11 Phase 1A Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.1048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1375	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.1048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1375	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043

3.12 Phase 1B Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.1048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1375	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.1048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1375	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043

3.13 Phase 2 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.1048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	1.1375	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.1048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1375	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043

3.14 Phase 1A Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	82.9016					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	83.0933	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1308	0.0826	0.9665	3.1000e-003	0.3465	2.6400e-003	0.3491	0.0919	2.4300e-003	0.0943		308.9834	308.9834	7.9500e-003		309.1822
Total	0.1308	0.0826	0.9665	3.1000e-003	0.3465	2.6400e-003	0.3491	0.0919	2.4300e-003	0.0943		308.9834	308.9834	7.9500e-003		309.1822

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	82.9016					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	83.0933	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1308	0.0826	0.9665	3.1000e-003	0.3465	2.6400e-003	0.3491	0.0919	2.4300e-003	0.0943		308.9834	308.9834	7.9500e-003		309.1822

Total	0.1308	0.0826	0.9665	3.1000e-003	0.3465	2.6400e-003	0.3491	0.0919	2.4300e-003	0.0943		308.9834	308.9834	7.9500e-003		309.1822
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3.15 Phase 1B Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	82.9016					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168			281.8690
Total	83.0933	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168			281.8690

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.1308	0.0826	0.9665	3.1000e-003	0.3465	2.6400e-003	0.3491	0.0919	2.4300e-003	0.0943		308.9834	308.9834	7.9500e-003			309.1822
Total	0.1308	0.0826	0.9665	3.1000e-003	0.3465	2.6400e-003	0.3491	0.0919	2.4300e-003	0.0943		308.9834	308.9834	7.9500e-003			309.1822

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	82.9016					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	83.0933	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1308	0.0826	0.9665	3.1000e-003	0.3465	2.6400e-003	0.3491	0.0919	2.4300e-003	0.0943		308.9834	308.9834	7.9500e-003		309.1822
Total	0.1308	0.0826	0.9665	3.1000e-003	0.3465	2.6400e-003	0.3491	0.0919	2.4300e-003	0.0943		308.9834	308.9834	7.9500e-003		309.1822

3.16 Phase 2 Architectural Coating - 2023

Unmitigated Construction On-Site

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

Archit. Coating	82.9016					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	83.0933	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1308	0.0826	0.9665	3.1000e-003	0.3465	2.6400e-003	0.3491	0.0919	2.4300e-003	0.0943		308.9834	308.9834	7.9500e-003		309.1822
Total	0.1308	0.0826	0.9665	3.1000e-003	0.3465	2.6400e-003	0.3491	0.0919	2.4300e-003	0.0943		308.9834	308.9834	7.9500e-003		309.1822

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	82.9016					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	83.0933	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1308	0.0826	0.9665	3.1000e-003	0.3465	2.6400e-003	0.3491	0.0919	2.4300e-003	0.0943		308.9834	308.9834	7.9500e-003		309.1822
Total	0.1308	0.0826	0.9665	3.1000e-003	0.3465	2.6400e-003	0.3491	0.0919	2.4300e-003	0.0943		308.9834	308.9834	7.9500e-003		309.1822

4.0 Operational Detail - Mobile

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	6.1819	10.0312	83.1026	0.2485	29.5055	0.2425	29.7480	7.8488	0.2249	8.0737		25,006.8110	25,006.8110	1.4548		25,043.1816
Unmitigated	6.1819	10.0312	83.1026	0.2485	29.5055	0.2425	29.7480	7.8488	0.2249	8.0737		25,006.8110	25,006.8110	1.4548		25,043.1816

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hospital	3,625.53	2,791.74	2443.48	12,939,178	12,939,178
Parking Lot	0.00	0.00	0.00		
Total	3,625.53	2,791.74	2,443.48	12,939,178	12,939,178

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Parking Lot	16.60	8.40	6.90	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
Enclosed Parking with Elevator	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Hospital	0.804093	0.065414	0.074100	0.029640	0.014820	0.000000	0.000741	0.000741	0.000000	0.002608	0.007841	0.000000	0.000000
Parking Lot	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Natural Gas Mitigated	0.3287	2.9886	2.5104	0.0179		0.2271	0.2271		0.2271	0.2271		3,586.2742	3,586.2742	0.0687	0.0658	3,607.5856

NaturalGas Unmitigated	0.3287	2.9886	2.5104	0.0179		0.2271	0.2271		0.2271	0.2271		3,586.2742	3,586.2742	0.0687	0.0658	3,607.5856
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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	30483.3	0.3287	2.9886	2.5104	0.0179		0.2271	0.2271		0.2271	0.2271		3,586.2742	3,586.2742	0.0687	0.0658	3,607.5856
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.3287	2.9886	2.5104	0.0179		0.2271	0.2271		0.2271	0.2271		3,586.2742	3,586.2742	0.0687	0.0658	3,607.5856

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	30.4833	0.3287	2.9886	2.5104	0.0179		0.2271	0.2271		0.2271	0.2271		3,586.2742	3,586.2742	0.0687	0.0658	3,607.5856
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.3287	2.9886	2.5104	0.0179		0.2271	0.2271		0.2271	0.2271		3,586.2742	3,586.2742	0.0687	0.0658	3,607.5856

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	3.9460	6.6000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1547	0.1547	4.1000e-004			0.1648
Unmitigated	3.9460	6.6000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1547	0.1547	4.1000e-004			0.1648

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	0.4543					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Consumer Products	3.4851					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Landscaping	6.6800e-003	6.6000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1547	0.1547	4.1000e-004			0.1648
Total	3.9460	6.6000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1547	0.1547	4.1000e-004			0.1648

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	0.4543					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.4851					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.6800e-003	6.6000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1547	0.1547	4.1000e-004		0.1648
Total	3.9460	6.6000e-004	0.0722	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004		0.1547	0.1547	4.1000e-004		0.1648

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Queen of the Valley Hospital Specific Plan- Phases 1A, 1B, 2 - Los Angeles-South Coast County, Annual

**Queen of the Valley Hospital Specific Plan- Phases 1A, 1B, 2
Los Angeles-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	198.00	1000sqft	4.55	198,000.00	0
Medical Office Building	90.00	1000sqft	2.07	90,000.00	0
Enclosed Parking with Elevator	500.00	Space	4.50	200,000.00	0
Parking Lot	35.00	1000sqft	0.80	35,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on PD and Client-provided data

Construction Phase - .

Trips and VMT - Defaults

Demolition -

Grading -

Architectural Coating - Adjusted to Match Phasing

Vehicle Trips - Adjusted to match Traffic Report

Energy Use -

Construction Off-road Equipment Mitigation -

Stationary Sources - Emergency Generators and Fire Pumps - .

Off-road Equipment - Ops Only

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	1.00
tblFleetMix	HHD	0.03	0.04
tblFleetMix	HHD	0.03	7.4100e-004
tblFleetMix	HHD	0.03	7.1800e-004
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.54	0.54
tblFleetMix	LDA	0.54	0.80
tblFleetMix	LDA	0.54	0.93
tblFleetMix	LDA	0.54	0.54
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.07
tblFleetMix	LDT1	0.04	0.03
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.07
tblFleetMix	LDT2	0.21	0.01
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD1	0.01	7.1760e-003
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD2	6.3320e-003	6.4400e-003
tblFleetMix	LHD2	6.3320e-003	0.00

tbIFleetMix	LHD2	6.3320e-003	0.00
tbIFleetMix	LHD2	6.3320e-003	6.4400e-003
tbIFleetMix	MCY	5.2850e-003	5.3240e-003
tbIFleetMix	MCY	5.2850e-003	7.8410e-003
tbIFleetMix	MCY	5.2850e-003	5.7410e-003
tbIFleetMix	MCY	5.2850e-003	5.3240e-003
tbIFleetMix	MDV	0.12	0.12
tbIFleetMix	MDV	0.12	0.03
tbIFleetMix	MDV	0.12	7.1760e-003
tbIFleetMix	MDV	0.12	0.12
tbIFleetMix	MH	8.2100e-004	8.0700e-004
tbIFleetMix	MH	8.2100e-004	0.00
tbIFleetMix	MH	8.2100e-004	0.00
tbIFleetMix	MH	8.2100e-004	8.0700e-004
tbIFleetMix	MHD	0.02	0.02
tbIFleetMix	MHD	0.02	7.4100e-004
tbIFleetMix	MHD	0.02	7.1800e-004
tbIFleetMix	MHD	0.02	0.02
tbIFleetMix	OBUS	2.6130e-003	2.7030e-003
tbIFleetMix	OBUS	2.6130e-003	0.00
tbIFleetMix	OBUS	2.6130e-003	0.00
tbIFleetMix	OBUS	2.6130e-003	2.7030e-003
tbIFleetMix	SBUS	7.1200e-004	7.3200e-004
tbIFleetMix	SBUS	7.1200e-004	0.00
tbIFleetMix	SBUS	7.1200e-004	0.00
tbIFleetMix	SBUS	7.1200e-004	7.3200e-004
tbIFleetMix	UBUS	1.8170e-003	1.6290e-003
tbIFleetMix	UBUS	1.8170e-003	2.6080e-003
tbIFleetMix	UBUS	1.8170e-003	2.5260e-003
tbIFleetMix	UBUS	1.8170e-003	1.6290e-003

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	1,881.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	36.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	WorkerTripNumber	0.00	18.00
tblVehicleTrips	ST_TR	10.18	7.42
tblVehicleTrips	ST_TR	8.96	8.63
tblVehicleTrips	SU_TR	8.91	8.44
tblVehicleTrips	SU_TR	1.55	1.49
tblVehicleTrips	WD_TR	13.22	9.64
tblVehicleTrips	WD_TR	36.13	34.80

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	4.0000e-005	3.0000e-005	3.7000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0919	0.0919	0.0000	0.0000	0.0920
Maximum	4.0000e-005	3.0000e-005	3.7000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0919	0.0919	0.0000	0.0000	0.0920

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	4.0000e-005	3.0000e-005	3.7000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0919	0.0919	0.0000	0.0000	0.0920
Maximum	4.0000e-005	3.0000e-005	3.7000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0919	0.0919	0.0000	0.0000	0.0920

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2020	3-31-2020	0.0001	0.0001
		Highest	0.0001	0.0001

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.1936	9.0000e-005	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0204	0.0204	5.0000e-005	0.0000	0.0218
Energy	0.0742	0.6745	0.5666	4.0500e-003		0.0513	0.0513		0.0513	0.0513	0.0000	2,923.7269	2,923.7269	0.1045	0.0322	2,935.9232
Mobile	0.8279	1.1402	10.5941	0.0353	4.9276	0.0325	4.9601	1.3122	0.0301	1.3422	0.0000	3,226.1016	3,226.1016	0.1653	0.0000	3,230.2335
Stationary	0.2979	0.0229	0.7758	1.0000e-004		1.6400e-003	1.6400e-003		1.6400e-003	1.6400e-003	0.0000	17.2655	17.2655	0.0361	0.0000	18.1680
Waste						0.0000	0.0000		0.0000	0.0000	631.3831	0.0000	631.3831	37.3137	0.0000	1,564.2249

Water						0.0000	0.0000		0.0000	0.0000	11.4651	174.2967	185.7617	1.1848	0.0293	224.1104
Total	2.3935	1.8377	11.9469	0.0394	4.9276	0.0854	5.0130	1.3122	0.0830	1.3952	642.8481	6,341.4111	6,984.2593	38.8043	0.0615	7,972.6816

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.1936	9.0000e-005	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0204	0.0204	5.0000e-005	0.0000	0.0218
Energy	0.0742	0.6745	0.5666	4.0500e-003		0.0513	0.0513		0.0513	0.0513	0.0000	2,923.7269	2,923.7269	0.1045	0.0322	2,935.9232
Mobile	0.8279	1.1402	10.5941	0.0353	4.9276	0.0325	4.9601	1.3122	0.0301	1.3422	0.0000	3,226.1016	3,226.1016	0.1653	0.0000	3,230.2335
Stationary	0.2979	0.0229	0.7758	1.0000e-004		1.6400e-003	1.6400e-003		1.6400e-003	1.6400e-003	0.0000	17.2655	17.2655	0.0361	0.0000	18.1680
Waste						0.0000	0.0000		0.0000	0.0000	631.3831	0.0000	631.3831	37.3137	0.0000	1,564.2249
Water						0.0000	0.0000		0.0000	0.0000	11.4651	174.2967	185.7617	1.1848	0.0293	224.1104
Total	2.3935	1.8377	11.9469	0.0394	4.9276	0.0854	5.0130	1.3122	0.0830	1.3952	642.8481	6,341.4111	6,984.2593	38.8043	0.0615	7,972.6816

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2020	1/1/2020	5	1	Phase 1 Site Preparation

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.7000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0919	0.0919	0.0000	0.0000	0.0920
Total	4.0000e-005	3.0000e-005	3.7000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0919	0.0919	0.0000	0.0000	0.0920

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.7000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0919	0.0919	0.0000	0.0000	0.0920
Total	4.0000e-005	3.0000e-005	3.7000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0919	0.0919	0.0000	0.0000	0.0920

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8279	1.1402	10.5941	0.0353	4.9276	0.0325	4.9601	1.3122	0.0301	1.3422	0.0000	3,226.1016	3,226.1016	0.1653	0.0000	3,230.2335
Unmitigated	0.8279	1.1402	10.5941	0.0353	4.9276	0.0325	4.9601	1.3122	0.0301	1.3422	0.0000	3,226.1016	3,226.1016	0.1653	0.0000	3,230.2335

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hospital	1,908.72	1,469.16	1671.12	7,024,771	7,024,771
Medical Office Building	3,132.00	776.70	134.10	6,140,330	6,140,330

Parking Lot	0.00	0.00	0.00		
Total	5,040.72	2,245.86	1,805.22	13,165,101	13,165,101

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	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
Enclosed Parking with Elevator	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Hospital	0.804093	0.065414	0.074100	0.029640	0.014820	0.000000	0.000741	0.000741	0.000000	0.002608	0.007841	0.000000	0.000000
Medical Office Building	0.932889	0.028704	0.014352	0.007176	0.007176	0.000000	0.000718	0.000718	0.000000	0.002526	0.005741	0.000000	0.000000
Parking Lot	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,189.4740	2,189.4740	0.0904	0.0187	2,197.3069
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,189.4740	2,189.4740	0.0904	0.0187	2,197.3069

Total		0.0742	0.6745	0.5666	4.0500e-003		0.0513	0.0513		0.0513	0.0513	0.0000	734.2529	734.2529	0.0141	0.0135	738.6162
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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			
Enclosed Parking with Elevator	1.172e+006	373.4243	0.0154	3.1900e-003	374.7603
Hospital	4.51836e+006	1,439.6463	0.0594	0.0123	1,444.7967
Medical Office Building	1.1691e+006	372.5003	0.0154	3.1800e-003	373.8329
Parking Lot	12250	3.9031	1.6000e-004	3.0000e-005	3.9171
Total		2,189.4740	0.0904	0.0187	2,197.3070

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.172e+006	373.4243	0.0154	3.1900e-003	374.7603
Hospital	4.51836e+006	1,439.6463	0.0594	0.0123	1,444.7967
Medical Office Building	1.1691e+006	372.5003	0.0154	3.1800e-003	373.8329
Parking Lot	12250	3.9031	1.6000e-004	3.0000e-005	3.9171
Total		2,189.4740	0.0904	0.0187	2,197.3070

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1936	9.0000e-005	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0204	0.0204	5.0000e-005	0.0000	0.0218
Unmitigated	1.1936	9.0000e-005	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0204	0.0204	5.0000e-005	0.0000	0.0218

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	0.1368					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0559					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.6000e-004	9.0000e-005	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0204	0.0204	5.0000e-005	0.0000	0.0218
Total	1.1936	9.0000e-005	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0204	0.0204	5.0000e-005	0.0000	0.0218

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	0.1368					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0559					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.6000e-004	9.0000e-005	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0204	0.0204	5.0000e-005	0.0000	0.0218
Total	1.1936	9.0000e-005	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0204	0.0204	5.0000e-005	0.0000	0.0218

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	185.7617	1.1848	0.0293	224.1104
Unmitigated	185.7617	1.1848	0.0293	224.1104

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hospital	24.8451 / 4.73241	127.7112	0.8145	0.0201	154.0759
Medical Office Building	11.2932 / 2.15109	58.0505	0.3702	9.1500e-003	70.0345
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		185.7617	1.1848	0.0293	224.1104

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hospital	24.8451 / 4.73241	127.7112	0.8145	0.0201	154.0759
Medical Office Building	11.2932 / 2.15109	58.0505	0.3702	9.1500e-003	70.0345
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		185.7617	1.1848	0.0293	224.1104

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	631.3831	37.3137	0.0000	1,564.2249
Unmitigated	631.3831	37.3137	0.0000	1,564.2249

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hospital	2138.4	434.0759	25.6532	0.0000	1,075.4046
Medical Office Building	972	197.3072	11.6605	0.0000	488.8203
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		631.3831	37.3137	0.0000	1,564.2249

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hospital	2138.4	434.0759	25.6532	0.0000	1,075.4046
Medical Office Building	972	197.3072	11.6605	0.0000	488.8203
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		631.3831	37.3137	0.0000	1,564.2249

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	36	1881	0.73	CNG

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	tons/yr										Mt/yr					
Emergency Generator - CNG (500,000 HP)	0.2979	0.0229	0.7758	1.0000e-004		1.6400e-003	1.6400e-003		1.6400e-003	1.6400e-003	0.0000	17.2655	17.2655	0.0361	0.0000	18.1680
Total	0.2979	0.0229	0.7758	1.0000e-004		1.6400e-003	1.6400e-003		1.6400e-003	1.6400e-003	0.0000	17.2655	17.2655	0.0361	0.0000	18.1680

11.0 Vegetation

Queen of the Valley Hospital Specific Plan- Phases 1A, 1B, 2 - Los Angeles-South Coast County, Summer

**Queen of the Valley Hospital Specific Plan- Phases 1A, 1B, 2
Los Angeles-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	198.00	1000sqft	4.55	198,000.00	0
Medical Office Building	90.00	1000sqft	2.07	90,000.00	0
Enclosed Parking with Elevator	500.00	Space	4.50	200,000.00	0
Parking Lot	35.00	1000sqft	0.80	35,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on PD and Client-provided data

Construction Phase - .

Trips and VMT - Defaults

Demolition -

Grading -

Architectural Coating - Adjusted to Match Phasing

Vehicle Trips - Adjusted to match Traffic Report

Energy Use -

Construction Off-road Equipment Mitigation -

Stationary Sources - Emergency Generators and Fire Pumps - .

Off-road Equipment - Ops Only

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	1.00
tblFleetMix	HHD	0.03	0.04
tblFleetMix	HHD	0.03	7.4100e-004
tblFleetMix	HHD	0.03	7.1800e-004
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.54	0.54
tblFleetMix	LDA	0.54	0.80
tblFleetMix	LDA	0.54	0.93
tblFleetMix	LDA	0.54	0.54
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.07
tblFleetMix	LDT1	0.04	0.03
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.07
tblFleetMix	LDT2	0.21	0.01
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD1	0.01	7.1760e-003
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD2	6.3320e-003	6.4400e-003
tblFleetMix	LHD2	6.3320e-003	0.00

tbIFleetMix	LHD2	6.3320e-003	0.00
tbIFleetMix	LHD2	6.3320e-003	6.4400e-003
tbIFleetMix	MCY	5.2850e-003	5.3240e-003
tbIFleetMix	MCY	5.2850e-003	7.8410e-003
tbIFleetMix	MCY	5.2850e-003	5.7410e-003
tbIFleetMix	MCY	5.2850e-003	5.3240e-003
tbIFleetMix	MDV	0.12	0.12
tbIFleetMix	MDV	0.12	0.03
tbIFleetMix	MDV	0.12	7.1760e-003
tbIFleetMix	MDV	0.12	0.12
tbIFleetMix	MH	8.2100e-004	8.0700e-004
tbIFleetMix	MH	8.2100e-004	0.00
tbIFleetMix	MH	8.2100e-004	0.00
tbIFleetMix	MH	8.2100e-004	8.0700e-004
tbIFleetMix	MHD	0.02	0.02
tbIFleetMix	MHD	0.02	7.4100e-004
tbIFleetMix	MHD	0.02	7.1800e-004
tbIFleetMix	MHD	0.02	0.02
tbIFleetMix	OBUS	2.6130e-003	2.7030e-003
tbIFleetMix	OBUS	2.6130e-003	0.00
tbIFleetMix	OBUS	2.6130e-003	0.00
tbIFleetMix	OBUS	2.6130e-003	2.7030e-003
tbIFleetMix	SBUS	7.1200e-004	7.3200e-004
tbIFleetMix	SBUS	7.1200e-004	0.00
tbIFleetMix	SBUS	7.1200e-004	0.00
tbIFleetMix	SBUS	7.1200e-004	7.3200e-004
tbIFleetMix	UBUS	1.8170e-003	1.6290e-003
tbIFleetMix	UBUS	1.8170e-003	2.6080e-003
tbIFleetMix	UBUS	1.8170e-003	2.5260e-003
tbIFleetMix	UBUS	1.8170e-003	1.6290e-003

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	1,881.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	36.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	WorkerTripNumber	0.00	18.00
tblVehicleTrips	ST_TR	10.18	7.42
tblVehicleTrips	ST_TR	8.96	8.63
tblVehicleTrips	SU_TR	8.91	8.44
tblVehicleTrips	SU_TR	1.55	1.49
tblVehicleTrips	WD_TR	13.22	9.64
tblVehicleTrips	WD_TR	36.13	34.80

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549	0.0000	211.7003	211.7003	6.6700e-003	0.0000	211.8672
Maximum	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549	0.0000	211.7003	211.7003	6.6700e-003	0.0000	211.8672

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549	0.0000	211.7003	211.7003	6.6700e-003	0.0000	211.8672
Maximum	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549	0.0000	211.7003	211.7003	6.6700e-003	0.0000	211.8672

	ROG	NOx	CO	SO2	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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.5427	7.6000e-004	0.0838	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1801	0.1801	4.7000e-004		0.1918
Energy	0.4065	3.6958	3.1045	0.0222		0.2809	0.2809		0.2809	0.2809		4,434.9331	4,434.9331	0.0850	0.0813	4,461.2877
Mobile	5.7050	6.7074	71.2750	0.2378	32.5608	0.2107	32.7715	8.6572	0.1949	8.8521		23,972.1088	23,972.1088	1.1829		24,001.6821
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	12.6542	10.4040	74.4632	0.2600	32.5608	0.4919	33.0527	8.6572	0.4761	9.1333		28,407.2220	28,407.2220	1.2684	0.0813	28,463.1617

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.5427	7.6000e-004	0.0838	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1801	0.1801	4.7000e-004		0.1918
Energy	0.4065	3.6958	3.1045	0.0222		0.2809	0.2809		0.2809	0.2809		4,434.9331	4,434.9331	0.0850	0.0813	4,461.2877
Mobile	5.7050	6.7074	71.2750	0.2378	32.5608	0.2107	32.7715	8.6572	0.1949	8.8521		23,972.1088	23,972.1088	1.1829		24,001.6821
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	12.6542	10.4040	74.4632	0.2600	32.5608	0.4919	33.0527	8.6572	0.4761	9.1333		28,407.2220	28,407.2220	1.2684	0.0813	28,463.1617

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2020	1/1/2020	5	1	Phase 1 Site Preparation

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672
Total	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672

Total	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672
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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.7050	6.7074	71.2750	0.2378	32.5608	0.2107	32.7715	8.6572	0.1949	8.8521		23,972.1088	23,972.1088	1.1829		24,001.6821
Unmitigated	5.7050	6.7074	71.2750	0.2378	32.5608	0.2107	32.7715	8.6572	0.1949	8.8521		23,972.1088	23,972.1088	1.1829		24,001.6821

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hospital	1,908.72	1,469.16	1671.12	7,024,771	7,024,771
Medical Office Building	3,132.00	776.70	134.10	6,140,330	6,140,330
Parking Lot	0.00	0.00	0.00		
Total	5,040.72	2,245.86	1,805.22	13,165,101	13,165,101

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2

Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	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
Enclosed Parking with Elevator	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Hospital	0.804093	0.065414	0.074100	0.029640	0.014820	0.000000	0.000741	0.000741	0.000000	0.002608	0.007841	0.000000	0.000000
Medical Office Building	0.932889	0.028704	0.014352	0.007176	0.007176	0.000000	0.000718	0.000718	0.000000	0.002526	0.005741	0.000000	0.000000
Parking Lot	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.4065	3.6958	3.1045	0.0222		0.2809	0.2809		0.2809	0.2809		4,434.9331	4,434.9331	0.0850	0.0813	4,461.2877
NaturalGas Unmitigated	0.4065	3.6958	3.1045	0.0222		0.2809	0.2809		0.2809	0.2809		4,434.9331	4,434.9331	0.0850	0.0813	4,461.2877

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas 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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	35130.1	0.3789	3.4441	2.8931	0.0207		0.2618	0.2618		0.2618	0.2618		4,132.9509	4,132.9509	0.0792	0.0758	4,157.5109
Medical Office Building	2566.85	0.0277	0.2517	0.2114	1.5100e-003		0.0191	0.0191		0.0191	0.0191		301.9823	301.9823	5.7900e-003	5.5400e-003	303.7768
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.4065	3.6958	3.1045	0.0222		0.2809	0.2809		0.2809	0.2809		4,434.9331	4,434.9331	0.0850	0.0813	4,461.2877

Mitigated

	Natural Gas 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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	35.1301	0.3789	3.4441	2.8931	0.0207		0.2618	0.2618		0.2618	0.2618		4,132.9509	4,132.9509	0.0792	0.0758	4,157.5109
Medical Office Building	2.56685	0.0277	0.2517	0.2114	1.5100e-003		0.0191	0.0191		0.0191	0.0191		301.9823	301.9823	5.7900e-003	5.5400e-003	303.7768
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.4065	3.6958	3.1045	0.0222		0.2809	0.2809		0.2809	0.2809		4,434.9331	4,434.9331	0.0850	0.0813	4,461.2877

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.5427	7.6000e-004	0.0838	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1801	0.1801	4.7000e-004		0.1918
Unmitigated	6.5427	7.6000e-004	0.0838	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1801	0.1801	4.7000e-004		0.1918

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	0.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.7856					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.7200e-003	7.6000e-004	0.0838	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1801	0.1801	4.7000e-004		0.1918
Total	6.5427	7.6000e-004	0.0838	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1801	0.1801	4.7000e-004		0.1918

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
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SubCategory	lb/day								lb/day					
	Architectural Coating	0.7494				0.0000	0.0000			0.0000	0.0000			0.0000
Consumer Products	5.7856				0.0000	0.0000			0.0000	0.0000			0.0000	0.0000
Landscaping	7.7200e-003	7.6000e-004	0.0838	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.1801	0.1801	4.7000e-004	0.1918
Total	6.5427	7.6000e-004	0.0838	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.1801	0.1801	4.7000e-004	0.1918

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	36	1881	0.73	CNG

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 - CNG (500 - 9999 HP)	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

11.0 Vegetation

Queen of the Valley Hospital Specific Plan- Phases 1A, 1B, 2 - Los Angeles-South Coast County, Winter

**Queen of the Valley Hospital Specific Plan- Phases 1A, 1B, 2
Los Angeles-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	198.00	1000sqft	4.55	198,000.00	0
Medical Office Building	90.00	1000sqft	2.07	90,000.00	0
Enclosed Parking with Elevator	500.00	Space	4.50	200,000.00	0
Parking Lot	35.00	1000sqft	0.80	35,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Based on PD and Client-provided data
- Construction Phase - .
- Trips and VMT - Defaults
- Demolition -
- Grading -

Architectural Coating - Adjusted to Match Phasing

Vehicle Trips - Adjusted to match Traffic Report

Energy Use -

Construction Off-road Equipment Mitigation -

Stationary Sources - Emergency Generators and Fire Pumps - .

Off-road Equipment - Ops Only

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	1.00
tblFleetMix	HHD	0.03	0.04
tblFleetMix	HHD	0.03	7.4100e-004
tblFleetMix	HHD	0.03	7.1800e-004
tblFleetMix	HHD	0.03	0.04
tblFleetMix	LDA	0.54	0.54
tblFleetMix	LDA	0.54	0.80
tblFleetMix	LDA	0.54	0.93
tblFleetMix	LDA	0.54	0.54
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.07
tblFleetMix	LDT1	0.04	0.03
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LDT2	0.21	0.07
tblFleetMix	LDT2	0.21	0.01
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD1	0.01	7.1760e-003
tblFleetMix	LHD1	0.01	0.01
tblFleetMix	LHD2	6.3320e-003	6.4400e-003
tblFleetMix	LHD2	6.3320e-003	0.00

tbIFleetMix	LHD2	6.3320e-003	0.00
tbIFleetMix	LHD2	6.3320e-003	6.4400e-003
tbIFleetMix	MCY	5.2850e-003	5.3240e-003
tbIFleetMix	MCY	5.2850e-003	7.8410e-003
tbIFleetMix	MCY	5.2850e-003	5.7410e-003
tbIFleetMix	MCY	5.2850e-003	5.3240e-003
tbIFleetMix	MDV	0.12	0.12
tbIFleetMix	MDV	0.12	0.03
tbIFleetMix	MDV	0.12	7.1760e-003
tbIFleetMix	MDV	0.12	0.12
tbIFleetMix	MH	8.2100e-004	8.0700e-004
tbIFleetMix	MH	8.2100e-004	0.00
tbIFleetMix	MH	8.2100e-004	0.00
tbIFleetMix	MH	8.2100e-004	8.0700e-004
tbIFleetMix	MHD	0.02	0.02
tbIFleetMix	MHD	0.02	7.4100e-004
tbIFleetMix	MHD	0.02	7.1800e-004
tbIFleetMix	MHD	0.02	0.02
tbIFleetMix	OBUS	2.6130e-003	2.7030e-003
tbIFleetMix	OBUS	2.6130e-003	0.00
tbIFleetMix	OBUS	2.6130e-003	0.00
tbIFleetMix	OBUS	2.6130e-003	2.7030e-003
tbIFleetMix	SBUS	7.1200e-004	7.3200e-004
tbIFleetMix	SBUS	7.1200e-004	0.00
tbIFleetMix	SBUS	7.1200e-004	0.00
tbIFleetMix	SBUS	7.1200e-004	7.3200e-004
tbIFleetMix	UBUS	1.8170e-003	1.6290e-003
tbIFleetMix	UBUS	1.8170e-003	2.6080e-003
tbIFleetMix	UBUS	1.8170e-003	2.5260e-003
tbIFleetMix	UBUS	1.8170e-003	1.6290e-003

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	1,881.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	36.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	WorkerTripNumber	0.00	18.00
tblVehicleTrips	ST_TR	10.18	7.42
tblVehicleTrips	ST_TR	8.96	8.63
tblVehicleTrips	SU_TR	8.91	8.44
tblVehicleTrips	SU_TR	1.55	1.49
tblVehicleTrips	WD_TR	13.22	9.64
tblVehicleTrips	WD_TR	36.13	34.80

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549	0.0000	199.3357	199.3357	6.2800e-003	0.0000	199.4927
Maximum	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549	0.0000	199.3357	199.3357	6.2800e-003	0.0000	199.4927

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549	0.0000	199.3357	199.3357	6.2800e-003	0.0000	199.4927
Maximum	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549	0.0000	199.3357	199.3357	6.2800e-003	0.0000	199.4927

	ROG	NOx	CO	SO2	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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.5427	7.6000e-004	0.0838	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1801	0.1801	4.7000e-004		0.1918
Energy	0.4065	3.6958	3.1045	0.0222		0.2809	0.2809		0.2809	0.2809		4,434.9331	4,434.9331	0.0850	0.0813	4,461.2877
Mobile	5.4980	7.2035	67.1836	0.2244	32.5608	0.2107	32.7715	8.6572	0.1949	8.8521		22,636.4669	22,636.4669	1.1690		22,665.6921
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	12.4473	10.9001	70.3719	0.2466	32.5608	0.4919	33.0527	8.6572	0.4761	9.1333		27,071.5801	27,071.5801	1.2545	0.0813	27,127.1716

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.5427	7.6000e-004	0.0838	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1801	0.1801	4.7000e-004		0.1918
Energy	0.4065	3.6958	3.1045	0.0222		0.2809	0.2809		0.2809	0.2809		4,434.9331	4,434.9331	0.0850	0.0813	4,461.2877
Mobile	5.4980	7.2035	67.1836	0.2244	32.5608	0.2107	32.7715	8.6572	0.1949	8.8521		22,636.4669	22,636.4669	1.1690		22,665.6921
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	12.4473	10.9001	70.3719	0.2466	32.5608	0.4919	33.0527	8.6572	0.4761	9.1333		27,071.5801	27,071.5801	1.2545	0.0813	27,127.1716

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2020	1/1/2020	5	1	Phase 1 Site Preparation

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003	199.4927
Total	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003	199.4927

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927
Total	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.4980	7.2035	67.1836	0.2244	32.5608	0.2107	32.7715	8.6572	0.1949	8.8521		22,636.469	22,636.4669	1.1690		22,665.6921
Unmitigated	5.4980	7.2035	67.1836	0.2244	32.5608	0.2107	32.7715	8.6572	0.1949	8.8521		22,636.469	22,636.4669	1.1690		22,665.6921

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hospital	1,908.72	1,469.16	1671.12	7,024,771	7,024,771
Medical Office Building	3,132.00	776.70	134.10	6,140,330	6,140,330
Parking Lot	0.00	0.00	0.00		
Total	5,040.72	2,245.86	1,805.22	13,165,101	13,165,101

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	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
Enclosed Parking with Elevator	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807
Hospital	0.804093	0.065414	0.074100	0.029640	0.014820	0.000000	0.000741	0.000741	0.000000	0.002608	0.007841	0.000000	0.000000
Medical Office Building	0.932889	0.028704	0.014352	0.007176	0.007176	0.000000	0.000718	0.000718	0.000000	0.002526	0.005741	0.000000	0.000000
Parking Lot	0.539854	0.043743	0.210883	0.115969	0.013375	0.006440	0.022010	0.036531	0.002703	0.001629	0.005324	0.000732	0.000807

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.4065	3.6958	3.1045	0.0222		0.2809	0.2809		0.2809	0.2809		4,434.9331	4,434.9331	0.0850	0.0813	4,461.2877
NaturalGas Unmitigated	0.4065	3.6958	3.1045	0.0222		0.2809	0.2809		0.2809	0.2809		4,434.9331	4,434.9331	0.0850	0.0813	4,461.2877

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas 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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	35130.1	0.3789	3.4441	2.8931	0.0207		0.2618	0.2618		0.2618	0.2618		4,132.9509	4,132.9509	0.0792	0.0758	4,157.5109
Medical Office Building	2566.85	0.0277	0.2517	0.2114	1.5100e-003		0.0191	0.0191		0.0191	0.0191		301.9823	301.9823	5.7900e-003	5.5400e-003	303.7768
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.4065	3.6958	3.1045	0.0222		0.2809	0.2809		0.2809	0.2809		4,434.9331	4,434.9331	0.0850	0.0813	4,461.2877

Mitigated

	Natural Gas 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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	35.1301	0.3789	3.4441	2.8931	0.0207		0.2618	0.2618		0.2618	0.2618		4,132.9509	4,132.9509	0.0792	0.0758	4,157.5109
Medical Office Building	2.56685	0.0277	0.2517	0.2114	1.5100e-003		0.0191	0.0191		0.0191	0.0191		301.9823	301.9823	5.7900e-003	5.5400e-003	303.7768
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.4065	3.6958	3.1045	0.0222		0.2809	0.2809		0.2809	0.2809		4,434.9331	4,434.9331	0.0850	0.0813	4,461.2877

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.5427	7.6000e-004	0.0838	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1801	0.1801	4.7000e-004		0.1918
Unmitigated	6.5427	7.6000e-004	0.0838	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1801	0.1801	4.7000e-004		0.1918

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	0.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.7856					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.7200e-003	7.6000e-004	0.0838	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1801	0.1801	4.7000e-004		0.1918
Total	6.5427	7.6000e-004	0.0838	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1801	0.1801	4.7000e-004		0.1918

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
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SubCategory	lb/day								lb/day					
	Architectural Coating	0.7494				0.0000	0.0000			0.0000	0.0000			0.0000
Consumer Products	5.7856				0.0000	0.0000			0.0000	0.0000			0.0000	0.0000
Landscaping	7.7200e-003	7.6000e-004	0.0838	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.1801	0.1801	4.7000e-004	0.1918
Total	6.5427	7.6000e-004	0.0838	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.1801	0.1801	4.7000e-004	0.1918

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	36	1881	0.73	CNG

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 - CNG (500 - 9999 HP)	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000			0.0000

11.0 Vegetation
