

AIR QUALITY TECHNICAL REPORT

for the

SCRIPPS MERCY HOSPITAL CAMPUS CUP #304755 AMENDMENT PROJECT

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GLOSSARY OF TERMS AND ACRONYMS

Acronym	Description
AB 2588	Air Toxics Hot Spots Program
ADT	Average Daily Trips
AERMOD	AMS/EPA Regulatory Model
APCD	Air Pollution Control District
AQIA	Air Quality Impact Analysis
AQMP	Air Quality Management Plan
AQTR	Air Quality Technical Report
ARB	California Air Resources Board
aREL	Acute Reference Exposure Level
ASF	Age sensitivity factor
AT	Averaging time
CAAA	Clean Air Act Amendments
CCAA	California Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
Cal/EPA	California Environmental Protection Agency
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
CAP	Climate Action Plan
CDIS	Clinical Documentation Integrity Specialist
CO	Carbon Monoxide
CPF	Cancer potency factor
CUP	Conditional Use Permit
cREL	Chronic Reference Exposure Level
DBR	Daily breathing rate
DPM	Diesel particulate matter
ED	Exposure duration
EF	Exposure frequency
EIB	Emission Inventory Branch
EPA	Environmental Protection Agency
FAH	Fraction time at home
g/L	Grams per liter
g/sec	Grams per second
HAP	Hazardous Air Pollutants
HI	Hazard index
hp	Horsepower
HQ	Hazard quotient
HRA	Health risk assessment
kg	Kilograms
km	Kilometers
L	Liters
LMA	Local Mobility Analysis
m	Meters
m ²	Square meters
m ³	Cubic meters
mg	Milligrams

GLOSSARY OF TERMS AND ACRONYMS

Acronym	Description
MBARD	Monterey Bay Air Resources District
MOB	Medical Office Building
MP	Multipathway adjustment factor
lb/day	Pounds per Day
MACT	Maximum Achievable Control Technologies
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NO ₂	Nitrogen Dioxide
NO _x	Oxides of Nitrogen
OEHHA	Office of Environmental Health Hazard Assessment
O ₃	Ozone
Pb	Lead
PM ₁₀	Particulate Matter 10 Micrometers or less in aerodynamic diameter
PM _{2.5}	Particulate Matter less than or equivalent to 2.5 microns in diameter
ppb	Parts per billion
ppm	Parts per million
RAQS	Regional Air Quality Strategy
REL	Reference Exposure Level
ROG	Reactive Organic Gas
SANDAG	San Diego Association of Governments
SCAQMD	South Coast Air Quality Management District
SCR	Substantial Conformance Review
SD	San Diego
SDAB	San Diego Air Basin
SDAPCD	San Diego County Air Pollution Control District
SDG&E	San Diego Gas & Electricity
SDP	Site Development Permit
SIP	State Implementation Plan
SO ₂	Sulfur Dioxide
SO _x	Oxides of Sulfur
SR	State Route
TAC	Toxic air contaminant
T-BACT	Toxics best available control technology
TDM	Transportation Demand Management
TPY	Tons Per Year
TSD	Technical Support Document
USEPA	US Environmental Protection Agency
µg/m ³	Microgram per Cubic Meter
UTM	Universal Transverse Mercator
VCAPCD	Ventura County Air Pollution Control District
VMT	Vehicular Miles Travelled
VOC	Volatile Organic Compounds
yd ³	Yards cubed
χ /Q	Normalized dispersion coefficient, Chi/Q

1.0 INTRODUCTION

This Air Quality Technical Report (AQTR) was prepared for the Scripps Mercy Hospital Conditional Use Permit (CUP) #304755 Amendment Project ("Project"). The Project involves demolition of existing buildings and construction of new medical offices and hospital buildings at the Scripps Mercy Hospital campus, which is located at 4077 Fifth Avenue in San Diego, California. The City of San Diego is located within the San Diego County Air Pollution Control District (SDAPCD). Regional and localized impacts from Project construction and operational activities are analyzed following SDAPCD guidance, as stated in this report. Due to its proximity to nearby residents and sensitive receptors, a Health Risk Assessment (HRA) to evaluate the temporary cancer and non-cancer health risk impacts due to construction activities is also included in this report.

This section provides an introduction to the AQTR, including a description of the Project site setting and the criteria pollutant and diesel particulate matter (DPM) emission sources considered for calculation of air quality and health risk impacts from construction and operations.

1.1 Site Setting

The Scripps Mercy Hospital CUP Amendment Project involves demolition of existing buildings and construction of new medical offices and hospital buildings at the Scripps Mercy Hospital Campus in the Uptown community of the City of San Diego. The Project site is located on approximately 21.07 acres, generally at 4077 Fifth Avenue, and is currently developed with the Scripps Mercy Hospital campus buildings, surface and structured parking, internal streets and driveways, and landscaping.

The Project site is situated north of Washington Street, east of Fourth Avenue, east and west of Sixth Avenue, and south of an existing development that is located along Arbor Drive. Regional access to the site is provided by State Route 163 (SR 163), immediately east of the Project site. Local access to the site is via Washington Street, Fifth Avenue, Lewis Street, Sixth Avenue, and Fourth Avenue.

The Project site is located in a neighborhood consisting of residential and medical/professional offices, along with retail and restaurant establishments. The nearest identified sensitive receptors to the Project site are the Select Specialty Hospital, which is across Washington Street to the south of the Project site; the Warwick apartment building, located immediately to the east of the Project site; Florence Elementary School, located at 3914 1st Avenue approximately 0.17 mile (0.27 kilometers or km) southwest of the Project site; and Green Beans Preschool, located at 3975 Front Street, approximately 0.19 mile (0.30 km) southwest of the Project site. A Google Earth photograph showing the Project site boundary and the nearest residents and sensitive receptors is provided in Figure 1.



FIGURE 1: SCRIPPS MERCY HOSPITAL PROJECT SITE WITH LOCATION OF SENSITIVE RECEPTORS IDENTIFIED

1.2 Project Description

Construction for the Project would include Hospital I (15 stories, 630,000 square feet), Hospital II (15 stories, 380,000 square feet), Hospital Support Building (three stories with three levels of parking below ground, 65,000 square feet), Medical Office Building (MOB II) (seven stories above-grade, 200,000 square feet) and associated parking (three levels above-grade and two levels below-grade), a Central Energy Plant Expansion (2,400 square feet), and two Utility Yards. The Project may include changes in stationary source equipment such as boilers, chillers or emergency backup engines. The specific details of such equipment changes, that may include replaced or new equipment meeting current SDAPCD emissions standards, have not been developed at this time.

Demolition would include the Facility Building, Generator Building and Cooling Tower, Behavioral Health Clinic, Hospital Building, 550 Washington Building, 550 Washington Parking Structure, Mercy Manor, Parking Lot 4.1, and Emergency Department.

Construction of the Project is scheduled to begin in 2022. While some components of the Project may commence operation by 2030, an expanded schedule has been developed, which shows full development of the Project not ending until 2038. Therefore, the air emissions calculations in this report, developed for all construction occurring in the 2022-2030 timeframe, with Project operations after 2030, are considered to be conservative.

The Cancer Center and associated parking structure, currently under construction, would remain, as well as the College Building, Mercy Gardens, the Chapel, Central Energy Plant, and Parking Lot 12. A new parking structure (Sixth Avenue Parking Structure and Bridge) has been approved and will be constructed at the surface parking located on the east side of Sixth Avenue separately and in advance of major construction efforts of the Project. While this parking structure is part of the existing CUP for the hospital campus, its construction has been previously approved under Substantial Conformance Review (SCR) No. 531932.

Areas of the Project site that are not being demolished/constructed will continue operating during the twelve (12) components of construction. Operations of the newly constructed areas are expected to begin upon completion of each component of construction and will overlap with the construction of later components.

2.0 REGULATORY SETTING

The following section provides information about the existing air quality regulatory framework, meteorology and climate, and existing background air quality at the Scripps Mercy Hospital Project site.

Air pollutants are regulated at the national, state, and air basin level; each agency has a different degree of control. The United States Environmental Protection Agency (USEPA) regulates at the national level; the California Air Resources Control Board (CARB) regulates at the state level; and the SDAPCD regulates air quality in San Diego County.

The federal and state governments have been empowered by the federal and state Clean Air Acts to regulate the emission of airborne pollutants and have established ambient air quality standards for the protection of public health. The USEPA is the federal agency designated to administer national air quality regulations, while CARB is the state equivalent in the California Environmental Protection Agency (Cal/EPA). Local control over air quality management is provided by CARB through multi-county and county-level Air Pollution Control Districts (APCDs) (also referred to as Air Quality Management Districts). CARB establishes statewide air quality standards and is responsible for the control of mobile emission sources, while the local APCDs are responsible for enforcing standards and regulating stationary sources. CARB has established 15 air basins statewide. The City of San Diego is located in the San Diego Air Basin (SDAB), which is under the jurisdiction of the SDAPCD.

2.1 California Air Resources Board

The California Air Resources Board (CARB), which became part of the Cal/EPA in 1991, is responsible for ensuring implementation of the California Clean Air Act (CCAA), meeting state requirements of the federal Clean Air Act and establishing the California Ambient Air Quality Standards (CAAQS). It is also responsible for setting emission standards for vehicles sold in California and for other emission sources such as consumer products and certain off-road equipment. CARB also established passenger vehicle fuel specifications and oversees the functions of local air pollution control districts and air quality management districts, which in turn administer air quality activities at the regional and county level. The CCAA is administered by CARB at the state level and by the Air Quality Management Districts at the regional level. Both state and federal standards are summarized in Table 1. The federal "primary" standards have been established to protect the public health. The federal "secondary" standards are intended to protect the nation's welfare and account for air pollutant effects on soil, water, visibility, materials, vegetation, and other aspects of the general welfare.

**TABLE 1
NATIONAL AND STATE AMBIENT AIR QUALITY STANDARDS**

Pollutant	Averaging Time	California Standards ¹		National Standards ²		
		Concentration ³	Method ⁴	Primary ^{3,5}	Secondary ^{3,6}	Method ⁷
Ozone (O ₃) ⁸	1 Hour	0.09 ppm (180 µg/m ³)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m ³)		0.070 ppm (137 µg/m ³)		
Respirable Particulate Matter (PM ₁₀) ⁹	24 Hour	50 µg/m ³	Gravimetric or Beta Attenuation	150 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m ³		—		
Fine Particulate Matter (PM _{2.5}) ⁹	24 Hour	—	—	35 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m ³	Gravimetric or Beta Attenuation	12.0 µg/m ³	15 µg/m ³	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m ³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m ³)	—	Non-Dispersive Infrared Photometry (NDIR)
	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)		—	—	
Nitrogen Dioxide (NO ₂) ¹⁰	1 Hour	0.18 ppm (339 µg/m ³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m ³)	—	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m ³)		0.053 ppm (100 µg/m ³)	Same as Primary Standard	
Sulfur Dioxide (SO ₂) ¹¹	1 Hour	0.25 ppm (655 µg/m ³)	Ultraviolet Fluorescence	75 ppb (196 µg/m ³)	—	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m ³)	
	24 Hour	0.04 ppm (105 µg/m ³)		0.14 ppm (for certain areas) ¹¹	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas) ¹¹	—	
Lead ^{12,13}	30 Day Average	1.5 µg/m ³	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m ³ (for certain areas) ¹²	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m ³		
Visibility Reducing Particles ¹⁴	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m ³	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m ³)	Ultraviolet Fluorescence			
Vinyl Chloride ¹²	24 Hour	0.01 ppm (26 µg/m ³)	Gas Chromatography			

See footnotes on next page ...

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24 hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above $150 \mu\text{g}/\text{m}^3$ is equal to or less than one. For PM2.5, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.
8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
9. On December 14, 2012, the national annual PM2.5 primary standard was lowered from $15 \mu\text{g}/\text{m}^3$ to $12.0 \mu\text{g}/\text{m}^3$. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at $35 \mu\text{g}/\text{m}^3$, as was the annual secondary standard of $15 \mu\text{g}/\text{m}^3$. The existing 24-hour PM10 standards (primary and secondary) of $150 \mu\text{g}/\text{m}^3$ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
11. On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
12. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard ($1.5 \mu\text{g}/\text{m}^3$ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
14. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

2.2 San Diego County Air Pollution Control District

The San Diego County Air Pollution Control District (SDAPCD) was created to protect the public from the harmful effects of air pollution, achieve and maintain air quality standards, foster community involvement and develop and implement cost-effective programs that meet state and federal mandates while considering environmental and economic impacts.

Specifically, the SDAPCD is responsible for monitoring air quality and planning, implementing, and enforcing programs designed to attain and maintain state and federal ambient air quality standards in the district. Programs developed include air quality rules and regulations that regulate stationary source emissions, including area sources, point sources, and certain mobile source emissions. The SDAPCD is also responsible for establishing permitting requirements for stationary sources and ensuring that new, modified or relocated stationary sources do not create net emissions increases; and thus, are consistent with the region's air quality goals. The SDAPCD provides thresholds in Regulation II, Rule 20.2, Table 20-2-1, which are the screening level thresholds for an ambient air quality impact assessment (AQIA). These trigger levels were established for stationary sources of air pollution and are commonly used for environmental evaluations. The SDAPCD enforces air quality rules and regulations through a variety of means, including inspections, educational or training programs, or fines, when necessary.

2.3 State Implementation Plan / Regional Air Quality Strategy

The federal Clean Air Act Amendments (CAAA) mandate that states submit and implement a State Implementation Plan (SIP) for areas not meeting air quality standards. SIPs are comprehensive plans that describe how an area will attain national and state ambient air quality standards. SIPs are a compilation of new and previously submitted plans, programs (i.e., monitoring, modeling and permitting programs), district rules, state regulations and federal controls and include pollution control measures that demonstrate how the standards will be met through those measures.

State law makes CARB the lead agency for all purposes related to the SIP. Local air districts and other agencies prepare SIP elements and submit them to CARB for review and approval. CARB forwards SIP revisions to the USEPA for approval and publication in the Federal Register.

Thus, the Regional Air Quality Strategy (RAQS) and Air Quality Management Plan (AQMP) prepared by SDAPCD and referenced herein become part of the SIP as the material relates to efforts ongoing in San Diego to achieve the national and state ambient air quality standards. The most recent SIP element for San Diego County was submitted in November 2020 (SDAPCD 2020). The document defines the plan for attaining the National Ambient Air Quality Standards (NAAQS) for ozone in San Diego County. The San Diego RAQS was developed pursuant to CCAA requirements. The RAQS was initially adopted in 1991 and was updated in 1995, 1998, 2001, 2004, 2009 and 2016 (SDAPCD 2016).

The RAQS identifies feasible emission control measures to provide progress in San Diego County toward attaining the state ozone standard. The pollutants addressed in the RAQS are volatile organic compounds (VOC) and oxides of nitrogen (NO_x), precursors to the photochemical formation of ozone (the primary component of smog). The RAQS was initially adopted by the San Diego County Air Pollution Control Board on June 30, 1992, and amended on March 2, 1993, in response to CARB comments. At present, no attainment plan for particulate matter less than 10 microns in diameter (PM₁₀) or particulate matter less than 2.5 microns in diameter (PM_{2.5}) is required by the state regulations; however, SDAPCD has adopted measures to reduce particulate matter in San Diego County. These measures range from regulation against open burning to incentive programs that introduce cleaner technology (SDAPCD 2005).

The RAQS relies on information from CARB and San Diego Association of Governments (SANDAG), including mobile and area source emissions, as well as information regarding projected growth in the county, to estimate future emissions and then determine strategies necessary for the reduction of emissions through regulatory controls. CARB mobile source emission projections and SANDAG growth projections are based on population and vehicle trends as well as land use plans developed by the cities and the county as part of the development of the individual General Plans. As such, projects that propose development consistent with the growth anticipated by the general plans would be consistent with the RAQS. If a project proposes development which is less dense than anticipated within the General Plan, the project would likewise be consistent with the RAQS. If a project proposes development that is greater than that anticipated in the General Plan and SANDAG's growth projections, the project might conflict with the RAQS and SIP; and thus, have a potentially significant impact on air quality.

Under state law, the SDAPCD is required to prepare an AQMP for pollutants for which the SDAB is designated non-attainment. Each iteration of the SDAPCD's AQMP is an update of the previous plan and has a 20-year horizon. Currently the SDAPCD has implemented a 2012 8-hour National Ozone Implementation/Maintenance Plan, a 2007 8-hour Ozone Plan, and a 2004 Carbon Monoxide Plan. The SDAPCD adopted the 2008 8-hour Ozone Attainment Plan for San Diego County on December 16, 2016. CARB adopted the ozone plan as a revision to the California SIP on March 23, 2017. Currently CARB is considering the AQMP for attaining the 2008 Federal 8-hour 75 parts per billion (ppb) and the 2015 Federal 8-hour 70 ppb ozone standards. These plans are available for download on the CARB website located at: <https://ww2.arb.ca.gov/our-work/programs/california-state-implementation-plans/nonattainment-area-plans/san-diego-county-0>

2.3.1 Air Pollutants of Concern

The pollutants analyzed for this report are criteria air pollutants from construction and operational activities, and toxic air contaminants (TACs) from construction activities at the Project site.

2.3.1.1 Criteria Air Pollutants

The seven criteria air pollutants regulated under NAAQS are as follows: ozone (O₃), carbon monoxide (CO), nitrogen dioxide (NO₂), respirable particulate matter (or particulate matter with an aerodynamic diameter of 10 microns or less, PM₁₀), fine particulate matter (or particulate matter with an aerodynamic diameter of 2.5 microns or less, PM_{2.5}), sulfur dioxide (SO₂), and lead (Pb). Primary standards are designed to protect human health with an adequate margin of safety. Secondary standards are designed to protect property and the public welfare from air pollutants in the atmosphere. Areas that do not meet the NAAQS for a particular pollutant are considered to be “non-attainment areas” for that pollutant.

CARB is the state regulatory agency with authority to enforce regulations to both achieve and maintain air quality in the state. CARB is responsible for the development, adoption, and enforcement of the state’s motor vehicle emissions program, as well as the adoption of the California Ambient Air Quality Standards (CAAQS). CARB also reviews operations and programs of the local air districts and requires each air district with jurisdiction over a non-attainment area to develop its own strategy for achieving the NAAQS and CAAQS. The California Clean Air Act of 1988 (CAA) provides the state with the ability to adopt ambient air quality standards and other regulations provided they are at least as stringent as federal standards, or more stringent.

Through the CAA, CARB has established the CAAQS for six criteria air pollutants also regulated by the NAAQS, and also has established CAAQS for additional pollutants, including sulfates, hydrogen sulfide, vinyl chloride and visibility-reducing particles. The SDAB is currently classified as a non-attainment area under the CAAQS for O₃, PM₁₀, and PM_{2.5}. It should be noted that CARB does not differentiate between attainment of the 1-hour and 8-hour CAAQS for O₃; therefore, if an air basin records an exceedance of either standard, the area is considered non-attainment for the CAAQS for O₃. The SDAB has recorded exceedances of both the 1-hour and 8-hour CAAQS for O₃.

The SDAPCD is required to monitor air pollutant levels to ensure that air quality standards are met and, if they are not met, to develop strategies to meet the standards. Depending on whether the standards are met or exceeded, the local air basin is classified as being in “attainment” or “non-attainment.” San Diego County is listed as a federal non-attainment area for ozone (8-hour) and a state non-attainment area for ozone (1-hour and 8-hour standards), PM₁₀ and PM_{2.5}. As shown in Table 2, the SDAB is in attainment for the state and federal standards for nitrogen dioxide, carbon monoxide, sulfur dioxide and lead. Characteristics of ozone, carbon monoxide, nitrogen dioxide, and suspended particulates are described below.

Table 2 presents the current attainment status for the SDAB.

**TABLE 2
SUMMARY OF SAN DIEGO AIR BASIN (SDAB)
FEDERAL AND STATE ATTAINMENT STATUS**

Criteria Pollutant	Federal Designation	State Designation
Ozone (8-Hour)	Non-attainment	Non-attainment
Ozone (1-Hour)	Attainment *	Non-attainment
Carbon Monoxide	Attainment	Attainment
PM ₁₀	Unclassifiable **	Non-attainment
PM _{2.5}	Attainment	Non-attainment
Nitrogen Dioxide	Attainment	Attainment
Sulfur Dioxide	Attainment	Attainment
Lead	Attainment	Attainment
Sulfates	No Federal Standard	Attainment
Hydrogen Sulfide	No Federal Standard	Unclassified
Visibility	No Federal Standard	Unclassified

* The federal 1-hour standard of 12 ppm was in effect from 1979 through June 15, 2005. The revoked standard is referenced here because it was employed for such a long period and because this benchmark is addressed in state Implementation Plans.

** At the time of designation, if the available data does not support a designation of attainment or nonattainment, the area is designated as unclassifiable.

2.3.1.2 Toxic Air Contaminants

TACs are controlled under a different regulatory process than criteria pollutants. Because no safe level of emissions can be established for TACs region-wide, the regulation of TACs is based on the levels of cancer risk and other health risks posed to persons who may be exposed. Joint federal, state and local regulations aimed at lessening public exposure to TACs are constantly revisited and updated.

Under federal law, 188 substances are listed as HAPs that are TACs. Major sources of specific HAPs are subject to the requirements of the National Emissions Standards for Hazardous Air Pollutants (NESHAP) program. The USEPA establishes regulatory schemes for specific source categories and requires implementation of Maximum Achievable Control Technologies (MACTs) for major sources of HAPs in each source category.

State law has established the framework for California's TAC identification and control program, which is generally more stringent than the federal program, and is aimed at HAPs that are a concern in California. The state has formally identified more than 200 substances as TACs and has adopted appropriate control measures for each.

Once adopted at the state level, each air district is required to adopt a measure that is equally or more stringent. In addition, the California Air Toxics "Hot Spots" Information and Assessment Act (AB 2588) enacted in 1987 requires certain applicable facilities in San Diego County to quantify the emissions of TACs, and in some cases, conduct a health risk assessment (HRA), and to notify the public, while developing risk reduction strategies. In San Diego County, SDAPCD Rule 1210 implements the public notification and risk reduction requirements of AB 2588 and requires facilities to reduce risks to acceptable levels within 5 years. In addition, SDAPCD Rule 1200 establishes acceptable risk levels, and emission control requirements for new and modified facilities that may emit TACs.

The emissions of TACs from operational activities are expected to be much lower than emissions of TACs from construction and demolition activities on the Project site. Therefore, an HRA has been performed only for the impacts of construction activities, to evaluate the health risks from these short-term, temporary activities. The TAC that has potential to have the biggest health impacts on nearby sensitive receptors is diesel particulate matter (DPM) and diesel exhaust components from construction equipment on the Project site. Diesel exhaust is mainly composed of particulate matter and gases, which contain potential cancer-causing substances in addition to some noncancer hazards. Emissions from diesel engines currently include over 40 substances that are listed by EPA as HAPs and by CARB as TACs. On August 27, 1998, CARB and the Office of Environmental Health Hazard Assessment (OEHHA) identified particulate matter in diesel exhaust as a TAC, based on data linking diesel particulate emissions to increased risks of lung cancer and respiratory disease (Cal/EPA 1998).

2.3.2 Background Air Quality

The SDAPCD monitors air quality conditions at locations throughout the SDAB. The purpose of the monitoring stations is to measure ambient concentrations of pollutants, including criteria pollutants, ozone precursors and TACs, and to determine whether the CAAQS and the NAAQS are met. The monitors closest to the Project site are the San Diego Sherman Elementary School and the Chula Vista monitoring stations, located approximately 3 miles south and 9.3 miles south of the Project site, respectively. The Sherman Elementary monitoring site has only 2019 data for ozone, so the 2017 and 2018 data for ozone, PM₁₀, and PM_{2.5} and the 2019 data for PM₁₀ and PM_{2.5} are from the Chula Vista monitoring station. A summary of the data recorded at the two monitoring stations from 2017 through 2019 is presented in Table 3.

TABLE 3 AMBIENT AIR BACKGROUND POLLUTANT CONCENTRATIONS/EXCEEDANCES/STANDARDS			
Pollutant	2017	2018	2019
Ozone (O₃)			
State maximum 1-hour concentration (ppm)	0.085	0.076	0.084
National maximum 8-hour concentration (ppm)	0.074	0.064	0.072
State maximum 8-hour concentration (ppm)	0.075	0.065	0.072
Number of Days Standard Exceeded			
CAAQS 1-hour (>0.09 ppm)	0	0	0
CAAQS 8-hour (>0.070 ppm)/NAAQS 8-hour (>0.070 ppm)	1 / 1	0 / 0	1 / 1
Respirable Particulate Matter (PM₁₀)			
National maximum 24-hour concentration (µg/m ³)	59.0	45.0	68.2
State maximum 24-hour concentration (µg/m ³)	61.0	45.0	69.4
State annual average concentration (µg/m ³)	21.7	22.0	22.0
Annual or Days Standard Exceeded *			
NAAQS 24-hour (>150 µg/m ³)	0	0	0
CAAQS 24-hour (>50 µg/m ³)/Annual (>20 µg/m ³)	1 / Yes	0 / Yes	1 / Yes
Fine Particulate Matter (PM_{2.5})			
National Maximum 24-hour concentration (µg/m ³)	42.7	41.9	18.6
State maximum 24-hour concentration (µg/m ³)	42.7	41.9	18.6
Annual average concentration (µg/m ³)	--	9.9	8.1
Annual or Days Standard Exceeded *			
NAAQS 24-hour (>35 µg/m ³)/Annual (>12.0 µg/m ³)	1 / No	1 / No	0 / No
CAAQS Annual (>12 µg/m ³)	No	No	No

Notes:

µg/m³ = micrograms per cubic meter; ppb = parts per billion; ppm = parts per million; N/A = Not available.

CAAQS = California Ambient Air Quality Standard; NAAQS = National Ambient Air Quality Standard.

BOLD value indicates greater than standard.

2019 O₃ measured at the Sherman Elementary station (450B 24th Street, approximately 3 miles south of the Project site); 2017-2018 O₃ and 2017-2019 PM₁₀ and PM_{2.5} measured at the Chula Vista monitoring station (80 E. J Street, Chula Vista, approximately 9.3 miles south of the Project site)

* In the case of an Annual standard a No or Yes response is provided.

Sources: CARB 2021; <https://www.arb.ca.gov/adam/topfour/topfourdisplay.php>

3.0 AIR QUALITY IMPACTS ANALYSIS

3.1 Significance Criteria Methodology

Air quality modeling was performed in general accordance with the methodologies outlined in the SDAPCD 2009 RAQS to identify construction and operational emissions

associated with the proposed Project. All criteria pollutant and DPM emissions were calculated using the California Emissions Estimator Model (CalEEMod) software version 2016.3.2 which incorporates current air emission data, planning methods and protocol approved by CARB (CAPCOA 2016). Speciated diesel exhaust TAC emissions were calculated for acute health risk calculations, from published emission factors (VCAPCD 2001).

As referenced, construction activities would include demolition of existing buildings, grading, construction of the buildings/utilities and related improvements as well as paving parking areas. Construction activities would require the use of equipment that would generate criteria air pollutant emissions. For modeling purposes, it was assumed that all construction equipment used would be diesel-powered. Construction emissions associated with development of the proposed Project were quantified by estimating the types of equipment, including the number of individual pieces of equipment, that would be used on-site during each of the construction components as well as off-site haul trips to remove demolition debris. Construction emissions were analyzed using the regional thresholds established by the SDAPCD and published within the City of San Diego Significance Determination Thresholds Guidelines (SD City 2016).

Operational emissions include mobile source emissions, energy emissions and area source emissions. Mobile source emissions are generated by motor vehicle trips associated with operation of the Project. Emissions attributable to energy use include electricity and natural gas consumption for space and water heating. Area source emissions are generated by landscape maintenance equipment, use of consumer products and painting. To determine whether a regional air quality impact would occur, the increase in emissions would be compared with the SDAPCD-recommended regional thresholds for operational emissions.

3.2 Thresholds of Significance

Based on City of San Diego Significance Determination Thresholds Guidelines, a project would have a significant air quality impact if it would:

- a. *Conflict with or obstruct implementation of the applicable air quality plan;*
- b. *Violate any air quality standard or contribute substantially to an existing or projected air quality violation;*
- c. *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 that exceed quantitative thresholds for ozone precursors);*
- d. *Expose sensitive receptors to substantial pollutant concentrations;*
- e. *Create objectionable odors affecting a substantial number of people; or*
- f. *Release substantial quantities of air contaminants beyond the boundaries of the premises upon which the stationary source emitting the contaminants is located.*

A significant adverse air quality impact may occur when a project individually or cumulatively interferes with progress toward the attainment of the ozone standard by generating emissions that equal or exceed the established long-term quantitative thresholds for pollutants or exceed a state or federal ambient air quality standard for any criteria pollutant.

As referenced, the SDAPCD has established thresholds in Rule 20.2 for new or modified stationary sources (SDAPCD 2015). With the exception of Volatile Organic Compounds (VOC) and PM_{2.5} thresholds, the City of San Diego screening quantities shown in the California Environmental Quality Act Significance Determination Thresholds, Table A-2, incorporate screening level thresholds from Rule 20.2 for use in air quality reports and for determining CEQA air quality impacts. The City does not show a standard for PM_{2.5} but does include a threshold for Reactive Organic Gas/Volatile Organic Compounds (ROG/VOC) emissions. The U.S. EPA uses the term VOC and the CARB's Emission Inventory Branch (EIB) uses the term Reactive Organic Gases (ROG) to essentially define the same thing. There are minor deviations between compounds that define each term, however for purposes of this study we will assume they are equivalent due to the fact South Coast Air Quality Management District (SCAQMD) interchanges these words and because air quality models directly calculate ROG in place of VOC. Collectively, the standards shown in Table A-2 of the City's 2016 CEQA Determination Thresholds and the PM_{2.5} threshold shown in Table 20.2-1 of SDAPCD Rule 20.2, are used herein to determine whether Project emissions would cause a significant air quality impact. These screening criteria can be used to demonstrate that a project's total emissions would not result in a significant impact as defined by CEQA. Also, since SDAPCD does not have air quality impact threshold for ROG/VOC, it is acceptable to use the Monterey Bay Air Resources District (MBARD) ROG threshold referenced by the SCAQMD.

The daily construction and operational emission thresholds for pollutants evaluated are as follows:

- Reactive Organic Gases (ROG) - 137 pounds/day;
- Nitrogen Oxides (NO_x) - 250 pounds/day;
- Carbon Monoxide (CO) - 550 pounds/day;
- Sulfur Oxides (SO_x) - 250 pounds/day;
- Particulate Matter (PM₁₀) - 100 pounds/day; and
- Particulate Matter (PM_{2.5}) - 67 pounds/day.

The annual operational emission thresholds for pollutants evaluated are as follows:

- Reactive Organic Gases (ROG) – 15 tons/yr;
- Nitrogen Oxides (NO_x) – 40 tons/yr;
- Carbon Monoxide (CO) – 100 tons/yr;
- Sulfur Oxides (SO_x) - 40 tons/yr;
- Particulate Matter (PM₁₀) – 15 tons/yr; and
- Particulate Matter (PM_{2.5}) – 10 tons/yr.

3.3 Construction Emissions

Project construction would generate temporary air pollutant emissions. These impacts are associated with fugitive dust (PM₁₀ and PM_{2.5}) from soil disturbance and exhaust emissions (NO_x, CO and SO₂) from heavy construction vehicles. For the purpose of estimating emissions, it was assumed that portions of the 21-acre site would be disturbed and developed for overall construction. The number of haul trips to remove demolition debris were estimated based on cubic yards. As noted, construction would generally consist of asphalt and building material removal, site preparation, construction of the buildings and related improvements and the application of architectural coating (painting).

Table 4 shows the estimated Project construction schedule for each of the planned demolition activities and facility expansion, improvements, and structures at the site. The schedule shows redevelopment of the hospital campus extending until 2038. Therefore, the CalEEMod air emissions modeling completed for all Project construction in the 2022-2030 timeframe, with operation after 2030, is considered to be conservative. The expected equipment fleet for each construction component was provided by the applicant's construction firm, Layton Construction Company and is shown in Table A-1, provided in Appendix A.

Construction Schedule		Estimated Dates
1	Parking Lot 4.1 Demolition	Nov 2022 - Mar 2023
2	MOB II Construction	Apr 2023 - Dec 2024
3	Behavioral Health Building Demolition	Oct 2023 - Mar 2024
4	550 Washington Building Demolition	Jan 2025 - Jul 2025
5	Hospital I and Hospital Support Building Construction	Apr 2024 - Mar 2028
6	Emergency Department Demolition	Mar 2029 - Oct 2029
7	Existing Hospital Demolition	Mar 2029 - April 2030
8	Mercy Manor Demolition	2030
9	Central Energy Plant Expansion	2031-2032
10	Facility and Generator Building Demolition	2033
11	Hospital II Construction	2034-2038

3.3.1 Standard Construction Conditions and Emissions Reduction

Demolition, site preparation, and grading would involve the greatest concentration of heavy equipment use and the highest potential for fugitive dust emissions. The Project would be required to comply with SDAPCD Rule 55, which identifies fugitive dust standards and is required to be implemented at all construction sites located within the SDAB. Therefore, the following conditions 1 through 5, which generally reduce fugitive dust emissions, were included in CalEEMod for site preparation and grading phases of construction.

1. Minimization of Disturbance. Construction contractors should minimize the area disturbed by clearing, grading, earth moving, or excavation operations to prevent excessive amounts of dust.

2. Soil Treatment. Construction contractors should treat all graded and excavated material, exposed soil areas, and active portions of the construction site, including unpaved on-site roadways, to minimize fugitive dust. Treatment shall include, but not necessarily be limited to, periodic watering, application of environmentally safe soil stabilization materials, and/or roll compaction as appropriate. Watering shall be done as often as necessary, and at least three times daily, preferably at the start of each morning, mid-day, and after work is completed for the day. For modeling purposes, it was assumed that watering would occur three times daily, during the construction of this development.

3. Soil Stabilization. Construction contractors should monitor all graded and/or excavated inactive areas of the construction site at least weekly for dust stabilization. Soil stabilization methods, such as water and roll compaction, and environmentally safe dust control materials shall be applied to portions of the construction site that are inactive for over four days. If no further grading or excavation operations are planned for the area, the area shall be seeded and watered until landscape growth is evident, or periodically treated with environmentally safe dust suppressants, to prevent excessive fugitive dust.

4. No Grading During High Winds. Construction contractors should stop all clearing, grading, earth moving, and excavation operations during periods of high winds (20 miles per hour or greater, as measured continuously over a one-hour period).

5. Street Sweeping. Construction contractors should sweep all on-site driveways and adjacent streets and roads at least once per day, preferably at the end of the day, if visible soil material is carried over to adjacent streets and roads.

In addition to SDAPCD Rule 55 requirements, emissions modeling also accounts for the use of low-VOC paint (50 g/L for interior coatings and 100 g/L for exterior coatings) as required by SDAPCD Rule 67.

3.3.2 Construction Emissions

Construction is assumed to begin in the Fall of 2022. Table 5 shows modeled Project maximum daily impacts of criteria pollutants by year throughout the construction period (conservatively assuming completion by 2030), with a comparison of each year's daily impacts to the SDAPCD Rule 20.2 screening thresholds. Construction of the proposed Project would exceed the SDAPCD regional construction emission thresholds for daily emissions for NO_x. All other criteria pollutant emissions are below the daily screening level thresholds, as analyzed for each year of construction.

Year	ROG	NO_x	CO	SO₂	Fug PM₁₀	Exh PM₁₀	Total PM₁₀	Fug PM_{2.5}	Exh PM_{2.5}	Total PM_{2.5}
2022	11.3	7.03	7.72	0.013	0.83	0.37	1.17	0.44	0.34	0.76
2023	20.8	168	175	0.504	20.8	6.76	26.5	8.41	6.38	13.7
2024	58.3	338	370	1.006	35.2	13.2	44.2	16.1	12.5	24.6
2025	29.5	216	274	0.678	2.21	8.28	10.5	0.60	7.88	8.47
2026	27.7	202	259	0.619	1.63	7.87	9.49	0.44	7.50	7.94
2027	51.8	226	299	0.685	2.09	8.98	11.1	0.57	8.56	9.12
2028	16.0	120	151	0.355	1.38	4.63	6.01	0.38	4.41	4.78
2029	6.59	45.8	57.6	0.163	0.43	1.80	2.24	0.11	1.69	1.80
2030	7.32	24.3	56.3	0.173	0.40	0.72	1.12	0.10	0.72	0.82
Screening Threshold (lb/day)	137	250	550	250	-	-	100	-	-	100
Exceeds Threshold (Y/N)?	N	Y	N	N	-	-	N	-	-	N

See Appendix A for CalEEMod ver. 2016.3.2 computer model output for the demolition of existing development, daily emissions shown.

The Project maximum daily construction NO_x emissions for Hospital I and II were conservatively modeled under a combined construction component from 2024 through 2028. However, construction of Hospital II is scheduled to be at the end of the Project and most likely would be constructed from 2034 to 2038. By adjusting the allocation of emissions to be associated with separate construction components for Hospital I and II, the daily construction emissions would be reduced by over 26% in 2024. Therefore, the estimated maximum NO_x emissions for all periods would be below the screening threshold and additional mitigation for NO_x emissions will not be required.

Table 6 shows modeled Project maximum annual impacts of criteria pollutants by year throughout the construction period (conservatively assuming completion by 2030), with a comparison of each year's annual impacts to the SDAPCD Rule 20.2 screening thresholds.

Year	ROG	NO_x	CO	SO₂	Fug PM₁₀	Exh PM₁₀	Total PM₁₀	Fug PM_{2.5}	Exh PM_{2.5}	Total PM_{2.5}
2022	0.07	0.38	0.39	0.00	0.00	0.02	0.02	0.00	0.02	0.02
2023	0.65	6.18	5.68	0.02	0.56	0.21	0.77	0.20	0.20	0.40
2024	3.36	20.62	22.41	0.06	1.29	0.80	2.09	0.44	0.76	1.20
2025	3.23	23.73	30.21	0.07	0.22	0.92	1.14	0.06	0.87	0.93
2026	3.61	26.43	33.81	0.08	0.21	1.03	1.23	0.06	0.98	1.03
2027	4.08	22.63	29.16	0.07	0.21	0.88	1.10	0.06	0.84	0.90
2028	0.33	2.45	3.09	0.01	0.03	0.09	0.12	0.01	0.09	0.10
2029	0.07	0.48	0.60	0.00	0.00	0.02	0.02	0.00	0.02	0.02
2030	0.71	2.37	5.48	0.02	0.04	0.07	0.11	0.01	0.07	0.08
Screening Threshold (ton/yr)	15	40	100	40	15	-	100	-	-	100
Exceeds Threshold (Y/N)?	N	N	N	N	N	-	N	-	-	N

See Appendix A for CalEEMod ver. 2016.3.2 computer model output for the demolition of existing development, daily emissions shown.

In summary, construction of the proposed Project would not exceed the SDAPCD regional daily and annual construction emission thresholds for criteria pollutant emissions. Thus, the Project construction emissions would not conflict with the SIP, RAQS or AQMP, violate an air quality standard or contribute to an existing or projected violation, result in a cumulatively considerable increase in ozone or particulate matter emissions or expose receptors to substantial pollutant concentrations (thresholds a-f).

3.4 Operational Emissions

Operational emissions include emissions from electricity consumption (energy sources), vehicle trips (mobile sources), area sources, landscape equipment, and evaporative emissions as the structures are repainted over the life of the Project. The majority of operational emissions are associated with vehicle trips to and from the Project site.

The Central Plant Energy Expansion may include replacing older equipment or adding new stationary source equipment, including boilers, chillers, or emergency backup engines. Such equipment would be required to meet SDACPD Best Available Control Technology, or the cleanest achievable emission standards for new equipment. The operational emission changes due to the expansion would not be expected to contribute significant air emissions at levels that would conflict with air quality standards, thereby changing the conclusions in this section. In fact, equipment changes may lead to reduced air emissions at the Project site.

The CalEEMod modeling for operational emissions considered the Project design conditions listed in the Climate Action Plan (CAP) Consistency Checklist. These Project design conditions that must be incorporated into the Project are listed below. According to the CAP Consistency Checklist, the Project would implement a Transportation Demand Management (TDM) Program that would include the following Project design conditions used to reduce emissions:

- Offering a carpool program to employees and preferred parking spaces (designated) for employees that self-select to carpool with other employees;
- Maintaining an employer network in the SANDAG iCommute program and promoting its RideMatcher service to its employees;
- Scripps Health's current Transportation Discount Benefit program provides a 30 percent discount for employees using public transportation, such as the bus, trolley or Coaster trains, and a \$30.00 per month discount for employees using van pools. The program benefits both employees and the environment by contributing to a work-life balance, as well as reducing greenhouse gas emissions. Participants can save even more money by purchasing transit passes or paying for monthly van pool lease costs on a pre-tax basis;
- Offering flexible and alternative work hours;
- Offering virtual doctor and urgent care visits, which allow doctors to work remotely and patients not needing to drive to appointments;
- Offering employees of Scripps Health "work at home" options via Telecommuting, Telemedicine, Clinical Documentation Integrity Specialist (CDIS), or other approved programs shifting up to five percent of the workforce to working remotely for one or more days per week; and
- Access to services that reduce the need to drive, such as cafes, commercial stores, banks, post offices, restaurants, gyms, and childcare, within 1,320 feet (1/4 mile) of the hospital campus.

Table 7 summarizes the modeled Project maximum daily emissions, with Project design features, associated with operation of the proposed Project. The emissions are based upon the conservative Project build-out year of 2030, with consideration of Project emission reductions that will occur when existing site buildings are demolished. The updated traffic study (LLG 2021) was used to determine the overall Project-related net changes in operational vehicle trips. The existing hospital building, the medical office building at 550 Washington Street and the Behavioral Health Clinic will be demolished, removing 6,993 average daily trips (ADT) from the CUP baseline. The new construction of Hospital I and II and MOB II will increase vehicle trips by 10,340 ADT and 22,750 ADT respectively. The Hospital I and II and MOB II will not be occupied until construction has been completed. Then existing buildings will be demolished. The overall net change in ADT due to the CUP Amendment Project will be 26,097 ADT. The area and energy-related emission reductions from demolished buildings were based upon similar assumptions as newly constructed buildings,

without any design features or mitigation applied. The emission reductions from demolition of Mercy Manor and the Generator Building have not been considered due to minimal changes in net operational emissions.

CalEEMod output files are included in Appendix A. As shown in Table 7, the Project maximum daily operational emissions would not exceed the SDAPCD thresholds for any of the pollutants, ROG, NO_x, CO, SO_x, PM₁₀ or PM_{2.5}.

TABLE 7						
PROJECT MAXIMUM DAILY OPERATIONAL EMISSIONS WITH PROJECT CONDITIONS						
Scripps Mercy: Daily Operational Criteria Pollutant Emissions						
Hospital I and II						
Category	ROG	NO_x	CO	SO₂	PM₁₀	PM_{2.5}
	Daily (lb/day)					
Area (Total)	7.80	4.7E-04	0.052	0	1.8E-04	1.8E-04
Energy (Natural Gas)	0.522	4.75	3.99	0.029	0.361	0.361
Mobile (Total)	10.12	40.3	103	0.407	43.7	11.8
Hospital I/II Total	18.4	45.1	107	0.435	44.0	12.2
Medical Office Building II						
Category	ROG	NO_x	CO	SO₂	PM₁₀	PM_{2.5}
	Daily (lb/day)					
Area (Total)	4.39	1.80E-04	2.01E-02	0.000	7.00E-05	7.00E-05
Energy (Natural Gas)	0.100	0.91	0.77	0.005	0.069	0.069
Mobile (Total)	9.02	35.9	82.5	0.31	32.8	8.91
MOB II Total	13.5	36.8	83.3	0.32	32.9	8.98
Hospital Support Building						
Category	ROG	NO_x	CO	SO₂	PM₁₀	PM_{2.5}
	Daily (lb/day)					
Area (Total)	1.37	6.0E-05	6.5E-03	0	2.0E-05	2.0E-05
Energy (Natural Gas)	0.033	0.297	0.249	0.002	0.023	0.023
Mobile (Total)	1.25	4.98	12.4	0.049	5.21	1.41
HSB Total	2.65	5.27	12.7	0.050	5.23	1.44
Central Energy Plant Expansion Building						
Category	ROG	NO_x	CO	SO₂	PM₁₀	PM_{2.5}
	Daily (lb/day)					
Area (Total)	0.051	0	2.4E-04	0	0	0
Energy (Natural Gas)	7.6E-04	0.007	0.006	4.0E-05	5.2E-04	5.2E-04
Mobile (Total)	0.019	0.077	0.227	0.001	0.104	0.028
CEP Total	0.070	0.083	0.233	0.001	0.105	0.029

TABLE 7						
PROJECT MAXIMUM DAILY OPERATIONAL EMISSIONS WITH PROJECT CONDITIONS						
Scripps Mercy: Daily Operational Criteria Pollutant Emissions						
Existing Hospital, Medical Office Building, & Behavioral Health Clinic Demolished						
Category	ROG	NO_x	CO	SO₂	PM₁₀	PM_{2.5}
	Daily (lb/day)					
Area (Total)	(16.9)	(5.4E-04)	(0.060)	0	(2.1E-04)	(2.1E-04)
Energy (Natural Gas)	(1.02)	(9.30)	(7.82)	(0.056)	(0.707)	(0.707)
Mobile (Total)	(8.09)	(32.3)	(86.8)	(0.349)	(37.9)	(10.3)
Existing Total (to subtract)	(26.0)	(41.6)	(94.6)	(0.405)	(38.6)	(11.0)
Total Mercy Hospital Project Emissions						
Total Mercy Hospital Project Emissions	ROG	NO_x	CO	SO₂	PM₁₀	PM_{2.5}
	Daily (lb/day)					
	8.7	46	108	0.40	44	12
Screening Threshold (lb/day)	137	250	550	250	100	100
Exceeds Threshold (Y/N)?	N	N	N	N	N	N

See Appendix A for CalEEMod ver. 2016.3.2 computer model output. Summer emissions shown.

Table 8 summarizes the modeled Project maximum annual emissions, with Project design features, associated with operation of the proposed Project. The emissions are based upon the conservative Project build-out year of 2030, with consideration of Project emission reductions that will occur when existing site buildings are demolished, as discussed above. CalEEMod output files are included in Appendix A. As shown in Table 8, the Project maximum annual emissions would not exceed the SDAPCD thresholds for any of the pollutants, ROG, NO_x, CO, SO_x, PM₁₀ or PM_{2.5}.

TABLE 8						
PROJECT MAXIMUM ANNUAL OPERATIONAL EMISSIONS WITH PROJECT CONDITIONS						
Scripps Mercy: Annual Operational Criteria Pollutant Emissions						
Hospital I and II						
Category	ROG	NO_x	CO	SO₂	PM₁₀	PM_{2.5}
	Annual (tons/year)					
Area (Total)	1.42	4.00E-05	4.7E-03	0	2.0E-05	2.0E-05
Energy (Natural Gas)	0.095	0.866	0.728	0.005	0.066	0.066
Mobile (Total)	1.42	6.16	15.2	0.059	6.39	1.74
Hospital I/II Total	2.94	7.03	15.9	0.064	6.46	1.80

TABLE 8 PROJECT MAXIMUM ANNUAL OPERATIONAL EMISSIONS WITH PROJECT CONDITIONS						
Scripps Mercy: Annual Operational Criteria Pollutant Emissions						
Medical Office Building II						
Category	ROG	NO_x	CO	SO₂	PM₁₀	PM_{2.5}
	Annual (tons/year)					
Area (Total)	0.80	2.00E-05	1.81E-03	0.000	1.00E-05	1.00E-05
Energy (Natural Gas)	0.018	0.167	0.140	0.001	0.013	0.013
Mobile (Total)	1.14	4.93	11.1	0.04	4.34	1.18
MOB II Total	1.96	5.10	11.3	0.04	4.36	1.19
Hospital Support Building						
Category	ROG	NO_x	CO	SO₂	PM₁₀	PM_{2.5}
	Annual (tons/year)					
Area (Total)	0.250	1.0E-05	5.9E-04	0	0	0
Energy (Natural Gas)	0.006	0.054	0.046	3.2E-04	0.004	0.004
Mobile (Total)	0.158	0.682	1.65	0.006	0.685	0.186
HSB Total	0.414	0.736	1.69	0.007	0.689	0.190
Central Energy Plant Expansion Building						
Category	ROG	NO_x	CO	SO₂	PM₁₀	PM_{2.5}
	Annual (tons/year)					
Area (Total)	9.2E-03	0	2.0E-05	0	0	0
Energy (Natural Gas)	1.4E-04	1.3E-03	1.1E-03	1.0E-05	1.0E-04	1.0E-04
Mobile (Total)	0.002	0.011	0.030	0.0001	0.014	0.004
CEP Total	0.012	0.012	0.031	0.0001	0.014	0.004
Existing Hospital, Medical Office Building, & Behavioral Health Clinic Demolished						
Category	ROG	NO_x	CO	SO₂	PM₁₀	PM_{2.5}
	Annual (tons/year)					
Area (Total)	(3.08)	(5.0E-05)	(5.4E-03)	0	(2.0E-05)	(2.0E-05)
Energy (Natural Gas)	(0.187)	(1.70)	(1.43)	(0.010)	(0.129)	(0.129)
Mobile (Total)	(1.10)	(4.76)	(12.3)	(0.049)	(5.37)	(1.46)
Existing Total (to subtract)	(4.37)	(6.46)	(13.7)	(0.059)	(5.50)	(1.59)
Total Mercy Hospital Project Emissions						
Total Mercy Hospital Project Emissions	ROG	NO_x	CO	SO₂	PM₁₀	PM_{2.5}
	Annual (tons/year)					
	0.96	6.41	15.2	0.05	6.02	1.60
Screening Threshold (ton/yr)	15	40	100	40	15	10
Exceeds Threshold (Y/N)?	N	N	N	N	N	N

CalEEMod output files and summary of operational emissions are included in Appendix A.

3.5 Objectionable Odors

The proposed Project would involve the use of diesel-powered construction equipment. Diesel exhaust odors may be noticeable temporarily at adjacent properties; however, construction activities would be temporary and are not considered significant. The Project does not include industrial or agricultural uses that are typically associated with objectionable odors. Therefore, impacts associated with objectionable odors (significance threshold e) would be less than significant.

3.6 Local Carbon Monoxide Emissions and CO Hotspots

Carbon monoxide is a colorless, odorless, poisonous gas that may be found in high concentrations near areas of high traffic volumes. CO emissions are a function of vehicle idling time, meteorological conditions, and traffic flow. The SDAB is in attainment of state and federal CO standards. The El Cajon monitoring site is the closest station to the Project site that provides CO data. The maximum 8-hour CO level recorded in 2019 was 1.0 part per million (ppm). Concentrations are below 9 ppm, the state and federal 8-hour standard. The maximum 1-hour CO level recorded in 2019 was 1.3 ppm. Concentrations are below 20 ppm and 35 ppm, the state and federal 1-hour standards, respectively.

Although CO is not a regional air quality concern in SDAB, elevated CO levels can occur at or near intersections that experience severe traffic congestion. A localized air quality impact is considered significant if the additional CO emissions resulting from the project create a "hotspot" where the California 1-hour standard of 20.0 ppm or the 8-hour standard of 9 ppm is exceeded. This can occur at severely congested intersections during cold winter temperatures. Screening for elevated CO levels is recommended for severely congested intersections experiencing levels of service E or F with project traffic where a significant project traffic impact may occur. The potential for CO hotspots is based on the University of California Davis CO Protocol defined in the Transportation Project-Level Carbon Monoxide Protocol Revised December 1997 UCD-ITS-RR-97. Section 4.7 of the protocol provides specific criteria for performing a screening level CO review for projects within a CO attainment area. Specifically, project-related traffic that would worsen the LOS at intersections operating at LOS E or F, would be subject to a detailed evaluation. If not, no further review is necessary.

The Local Mobility Analysis (LMA) prepared for the Project (LLG 2020) indicated that there are locations where the Project adds traffic to intersections at LOS E or F, but design strategies are proposed to address these locations. These design strategies are anticipated to improve the flow of additional traffic at LOS E and F intersections. Since the Project-related traffic would not worsen the LOS at intersections operating at LOS E or F and improvements would be made to allow better traffic flow, the Project is anticipated to result in less-than-significant transportation impact. Receptors would not be exposed to additional pollutant concentrations (threshold d and f) related to CO hotspots. No further evaluation with respect to CO hotspots is required.

3.7 SIP/AQMP/RAQS Consistency

As noted, the RAQS relies on information from CARB and SANDAG, including projected growth in the county, mobile, area and all other source emissions to project future emissions and determine from that the strategies necessary for the reduction of stationary source emissions through regulatory controls. Projects that propose development that is consistent with the growth anticipated by the general plan is consistent with the SIP, AQMP and RAQS.

The Scripps Mercy Hospital CUP Amendment Project involves demolition of existing buildings and construction of new medical offices and hospital buildings at the Scripps Mercy Hospital Campus in the Uptown community of the City of San Diego. The Project site is located in the Medical Complex Neighborhood of the Uptown Community Plan and is designated Institutional, Community Commercial: 0-109 Du/Ac, and Open Space. The site is designated Institutional & Public and Semi-Public Facilities; Multiple Use; and Parks, Recreation, and Open Space in the San Diego General Plan.

Discretionary actions associated with the proposed Project include a Conditional Use Permit (CUP) Amendment to CUP No. 304755, a Site Development Permit (SDP) to amend existing SDP No. 531932, and a Planned Development Permit for demolition and construction on the Scripps Mercy Hospital Campus site. The project would also provide a right-of-way dedication in the form of a street easement along the east side of Sixth Avenue and vacation of remnant Public Services Easements.

The Project is consistent with the General Plan, which identifies the site as Institutional, Public, and Semi-Public Facilities; Park, Open Space, and Recreation; and Multiple Use. Additionally, the Project is consistent with the Uptown Community Plan, which designates the Project site for Institutional and Community Commercial uses.

The Project is zoned CC-3-8 and CC-3-9 (Commercial--Community zones), RM-3-9 (Multi Family Residential), as well as the OC-1-1 (Open Space--Conservation) and OR-1-1 (Open Space--Residential). Proposed redevelopment of the site would occur in the CC-3-8 and CC-3-9 zones, both of which allow hospitals with the application of a CUP. The Project does not propose any new development in the OC-1-1 and OR-1-1 zones. Thus, the Project would be consistent with the growth assumptions in the City's General Plan and would not conflict with the RAQS or SIP and significance threshold (threshold a - air quality plans) referenced above. As such, impacts related to this threshold would be less than significant.

4.0 HEALTH RISK ASSESSMENT

An HRA was performed for the health risk impacts from diesel exhaust due to construction activities at the site. This section provides the methodology used to complete the HRA, as well as health risk assessment results. Specifically, this section discusses the methodology for DPM emission quantification, air concentration estimation from air dispersion modeling, and health risk characterization. Emissions

of TACs due to operations at the newly constructed buildings are estimated to be much lower than the emissions due to construction activities; therefore, only the health risk from construction equipment diesel exhaust were analyzed.

4.1 HRA Objective and Significance Thresholds

The purpose of this analysis is to evaluate the excess lifetime cancer risks and the noncancer chronic and acute impacts that are attributable to the DPM emissions due to construction of the Project on off-site residents and sensitive receptors.

The City of San Diego *CEQA Significance Determination Thresholds* (SD City 2016), p.6, requires a project applicant to assess whether the project will expose sensitive receptors to substantial pollutant concentrations. Sensitive receptors are defined as long-term health care facilities, rehabilitation centers, convalescent centers, retirement homes, residences (such as medical patients in homes), schools, playgrounds, and childcare centers. While the City's thresholds guidance does not require all residences to be considered as sensitive receptors, this HRA includes residence locations near the Project site. Receptors were placed at 10 of the closest off-site residential locations (such as the Warwick apartments and the house on Bathhouse Row) and at 3 of the closest off-site sensitive receptor locations (Select Specialty Hospital, Florence Elementary School, and Green Beans Daycare Center). Figure 1 shows where the residential and sensitive receptors are located relative to the Project site. Off-site commercial and industrial receptors are not considered to be sensitive receptors, and therefore, were not included in the HRA.

The City's thresholds guidance does not provide significance thresholds to evaluate health risk impacts. However, SDAPCD Rule 1200(d) provides risk thresholds for new projects:

- An excess lifetime cancer risk level of more than 10 in one million; or
- A chronic hazard index (HI) greater than 1.0; or
- An acute HI greater than 1.0.

Non-criteria pollutants such as HAPs or TACs are also regulated by the SDAPCD. Rule 1200 (Toxic Air Contaminants - New Source Review) adopted on June 12, 1996, requires evaluation of potential health risks for any new, relocated, or modified emission unit which may increase emissions of one or more toxic air contaminants. The rule requires that projects that propose to increase cancer risk to between 1 and 10 in one million need to implement toxics best available control technology (T-BACT) or impose the most effective emission limitation, emission control device or control technique to reduce the cancer risk. At no time shall the project increase the incremental cancer risk to over 10 in one million or a health hazard index (chronic and acute HI) greater than one. Projects creating cancer risks less than one in one million are not required to implement T-BACT technology.

These risk thresholds were used as the significance thresholds to review health risk impacts from DPM emissions due to Project construction on off-site residences and sensitive receptor locations. Project construction activities in each component include such activities as site grading, building, and paving operations.

4.2 Methodology

This analysis evaluated cancer risk and chronic noncancer risk from DPM emissions. Acute noncancer risk due to DPM emissions was analyzed using speciated TACs found in diesel exhaust.

The HRA was performed to calculate the Project construction health risk impacts, consistent with the following guidance:

- SDAPCD's *Supplemental Guidelines for Submission of Rule 1200 Health Risk Assessments*;
- SDAPCD's *Supplemental Guidelines for Submission of Air Toxics "Hot Spots" Program Health Risk Assessments*; and
- OEHHA's *Air Toxics Hot Spots Program Risk Guidance Manual for Preparation of Health Risk Assessments Guidelines*.

4.3 DPM Emissions Quantification Methods

The DPM emission sources considered for the screening HRA include Project on-site diesel-fueled construction equipment. This equipment use will result in DPM emissions from diesel exhaust, as well as emissions of speciated TACs found in diesel exhaust.

Diesel exhaust, a complex mixture that includes hundreds of individual constituents, is identified by the State of California as a known carcinogen (Cal/EPA 1998). Under California regulatory guidelines, DPM is used as a surrogate measure of carcinogen exposure for the mixture of chemicals that make up diesel exhaust as a whole. Cal/EPA and other proponents of using the surrogate approach to quantifying excess lifetime cancer risks associated with the diesel mixture indicate that this method is preferable to use of a component-based approach because it provides a protective approach to estimating health risks. A component-based approach involves estimating risks for each of the individual components of a mixture. Furthermore, Cal/EPA has concluded that "potential cancer risk from inhalation exposure to whole diesel exhaust will exceed the multi-pathway cancer risk from the speciated components (OEHHA 2003)." The cancer and chronic analyses were based on the surrogate approach, using DPM as recommended by Cal/EPA. However, acute risk impact analysis used a speciated compound-based approach, as required by SDAPCD for HRAs completed for Rule 1200. Toxicity values for DPM and speciated compounds in diesel exhaust are presented in Appendix B.

Project emissions for construction equipment-related diesel usage were obtained from the CalEEMod modeling output files that were developed for the air impacts analysis presented in Section 3.0. For each year of each Project construction component, the annual and maximum daily emissions of PM₁₀ from equipment exhaust was obtained and used to calculate annual average diesel exhaust emissions and maximum hourly speciated TAC emissions in diesel exhaust. A summary of Project construction DPM emissions information obtained from CalEEMod is provided in Appendix B.

4.4 Air Concentration Estimation Methods

The HRA evaluated air concentrations of toxic air contaminant (TACs) to calculate excess lifetime cancer risk impacts and noncancer chronic and acute impacts. The methodologies used to obtain air concentrations were based on the most recent SDAPCD *Supplemental Guidelines for Rule 1200 HRAs* (SDAPCD 2019), the *Supplemental Guidelines for Submission of Air Toxics "Hot Spots" Program HRAs* (SDAPCD 2015), and the OEHHA HRA Guidelines (OEHHA 2015).

4.5 AERMOD Model Parameters

Air dispersion modeling was performed using Lakes AERMOD View Version 9.9.0 (v. 19191), with the parameters listed in Table 9 (USEPA 2019a).

TABLE 9 SCREENING HRA AERMOD PARAMETERS	
Source Type	POLY AREA
Source ID	SM_CONST
Dispersion Option	Urban; Population = 3,338,330*
Terrain Height Option	Flat
Emission Rate	2.78E-05 g/sec-m ² (1 g/sec spread out over source area)
Release Height	5.0 m
Initial Vertical Dimension	1.16 m
Meteorological Data	Kearny Mesa KVR (2014-2016) v. 19191
Construction Hours	7 AM – 5 PM

TABLE 9 SCREENING HRA AERMOD PARAMETERS	
Resident Discrete Receptors (UTM, m)	Resident 1: 485057.15, 3623623.74 (Warwick Apartments @ 660 Washington St.)
	Resident 2: 485087.61, 3623919.40 (Condos north of the Project site at the south end of 6 th Ave.)
	Resident 3: 485006.74, 3623952.48 (Apts. north of the Project site at the south end of 5 th Ave.)
	Resident 4: 484927.44, 3623977.16 (Houses/Apts. north of the Project site at the south end of 5 th Ave.)
	Resident 5: 484849.20, 3623872.13 (Hillcrest Summit Apts. @ 4134 4 th Ave.)
	Resident 6: 484779.88, 3623739.80 (Uptown Villa Apts. @ 4050 3 rd Ave.)
	Resident 7: 484924.82, 3623536.57 (House on Bathhouse Row, south of Washington St.)
	Resident 8: 484950.55, 3623513.47 (Apts. on 5 th Ave. south of Washington Street)
	Resident 9: 485278.63, 3623652.36 (Crest Urban Apts. @ 4021 8 th Ave.)
	Resident 10: 485278.63, 3623729.56 (Melrose Canyon Apts. @4053 8 th Ave.)
Sensitive Discrete Receptors (UTM, m)	Sens Rec. 1: 485023.54, 3623554.43 (Select Specialty Hospital @555 Washington St.)
	Sens. Rec. 2: 484579.93, 3623462.53 (Florence Elementary School @ 3914 1st Ave.)
	Sens. Rec. 3: 484557.87, 3623538.15 (Green Beans Preschool @ 3975 Front St.)

* United States Census Bureau San Diego County Population Estimate, July 1, 2019. Available at: <https://www.census.gov/quickfacts/fact/table/sandiegocountycalifornia,ca/PST045219>. Accessed: February 2021.

One on-site area source representing the area where the demolition/construction activities will occur was modeled. Figure 2 shows the area source location on the Project site. AERMOD output files are included in Attachment C.

4.6 Health Risk Assessment Results

Cancer, chronic, and acute risks due to exposure to diesel exhaust emissions were calculated for the nearest resident and sensitive receptor for each modeling scenario/source. Exposure to diesel exhaust was assumed to occur 10 hours/day, 7 days/week, for the projected duration of the 25-year construction/demolition activities. For cancer risk calculations, the 25-year average construction DPM emission rate was further averaged into 30-years, and the duration of resident and sensitive receptor exposure was assumed to occur over a 30-year lifetime. For chronic risk calculations, average annual emissions over the 25-year construction period were used. For acute risk calculations, maximum hourly emissions were used, with acute risk results for the most impacted target organ reported. Cancer and noncancer risk results are presented in Table 10.

Risk Type	Receptor Type	Risk Results	Threshold	Exceed Threshold?
30-yr Cancer Risk	Resident	8.71E-05	1.0E-05	Yes
	Sens. Rec.	2.77E-05		Yes
Chronic Risk	Resident	0.09	1.0	No
	Sens. Rec.	0.03		No
Acute Risk	Resident	0.89	1.0	No
	Sens. Rec.	0.70		No

As shown in Table 10, the noncancer chronic and acute risks due to construction of the Project are below the SDAPCD CEQA thresholds. The cancer risk exceeds the SDAPCD CEQA thresholds, which is a significant impact. Construction Mitigation Measure 1, which helps to reduce cancer risk impacts from DPM, would be incorporated into the Project. Sections 4.6.1 – 4.6.2 address this proposed mitigation measure. Health risk calculations are included in Appendix B.

4.6.1 Construction Mitigation Measure to Reduce Cancer Risk from DPM

To reduce DPM emissions associated with Project construction to below a level of significance, the Project will meet Mitigation Measure 1, defined below.

Mitigation Measure 1: Diesel Exhaust Emissions Reduction. During construction activities, efforts shall be made to reduce diesel exhaust emissions from all construction equipment greater than 100 hp with use of Tier 4 Interim or better equipment, including equipment with an installed diesel particulate filter (DPF), where feasible, and by use of other emission reduction practices. Construction equipment that is certified less than Tier 4 Interim may only be used if unavailable from vendors, in which case equipment with DPFs installed shall be used whenever possible. Additionally, measures shall be employed to reduce DPM emissions, that may include, but would not be limited to, reduction in the number and/or horsepower rating of construction equipment, limiting the number of daily construction haul truck trips to and from the proposed Project using cleaner vehicle fuel, and/or limiting the number of individual construction Project components occurring simultaneously. These measures would be used to ensure that health risk impacts from construction do not exceed significance levels.

4.6.2 Adjustment to Average Annual DPM Construction Emissions

CalEEMod runs for the construction components were completed initially without the consideration of Mitigation Measure 1. The calculations for reduction in cancer risk impacts due to the expected extended schedule of construction to 2038 also did not consider Mitigation Measure 1. Therefore, an adjustment to the average annual DPM emissions from all 16 years of construction, spread out over a 30-year lifetime, was made in the emissions calculation tables shown in Appendix B. This adjustment was

made assuming that all construction off-road equipment will meet Tier 4 Interim standards or equivalent with DPFs installed as feasible. As needed to reduce impacts below the 10 in one million significance level, a DPM emission reduction of about 89% with Tier 4 Interim equipment and use of DPFs and other emission reduction practices was assumed from this mitigation measure.

Table 11 shows the cancer risk calculated for the nearest resident and sensitive receptor with Tier 4 Interim equipment and use of DPFs and other reduction measures included.

Risk Type	Receptor Type	Risk Results	Threshold	Exceed Threshold?
30-yr Cancer Risk	Resident	9.58E-06	1.0E-05	No
	Sens. Rec.	3.05E-06		No

The residential receptor in Table 11 is located at the Warwick apartment building, which is directly adjacent to the Project site. All other residential locations have significantly lower cancer risk than the maximally impacted residential receptor listed in Table 11.

The sensitive receptor in Table 11 is located at the Select Specialty Hospital, which is directly across Washington Street from the Project site. The two other sensitive receptor locations analyzed had significantly lower cancer risk than the maximally impacted sensitive receptor listed in Table 11.

With construction Mitigation Measure 1 incorporated, the cancer risk impacts are below the SDAPCD CEQA threshold, so no significant impact is expected. It is important to note that following local SCAPCD and OEHHA guidelines (listed in Section 4.2) for HRAs, BlueScape used conservative assumptions that overstate actual risks to off-site residents and sensitive receptors by a wide margin. The Residential Combined Exposure Factor (CEF) was calculated to consider the most sensitive residents with higher breathing rates and age specific factors (ages 0 through 2) over a 2-year period. The Sensitive Receptor location is at the Select Specialty Hospital, where patients would only be staying for a few days to a few weeks, and not for the 30-year time period considered for the cancer risk calculations.

5.0 CONCLUSIONS

The air quality impact analysis of construction due to the Project demonstrates that short-term emissions from construction of the Project will not exceed the SDAPCD air quality thresholds. Therefore, emissions from Project construction will be below the CEQA levels of significance.

Emissions of all criteria pollutants from Project operation are below all applicable daily and annual screening thresholds of significance. No CO hot spots analysis is required and as such, no CO hot spots will be created as a result of Project operation.

Potential noncancer chronic and acute risks due to Project construction related diesel exhaust emissions are not significant. Potential cancer risks for the nearest resident and sensitive receptor to diesel exhaust emissions due to Project construction activities would be reduced to below a level of significance, with Mitigation Measure 1 incorporated.

6.0 REFERENCES

CARB/CalEPA 2017. *Strategies to Reduce Air Pollution Exposure Near High-Volume Roadways*, California Air Resources Board / California Environmental Protection Agency, April 2017. Available online at: ww3.arb.ca.gov/ch/rd_technical_advisory_final.pdf

Cal/EPA 1998. California Environmental Protection Agency (Cal/EPA), Office of Environmental Health Hazard Assessment (OEHHA). Findings of the Scientific Review Panel on The Report on Diesel Exhaust, as adopted at the Panel's April 22, 1998, meeting.

CAPCOA 2016. California Emission Estimator Model (CalEEMod) Users Guide, California Air Pollution Control Officers Association, September 2016. Available online at: <http://www.caleemod.com/>

LLG 2020. Local Mobility Analysis for Scripps Mercy Hospital, LLG Engineers, PTS #658548, LLG Ref. 3-19-3072, December 2020.

LLG 2022. Transportation Impact Analysis, Scripps Mercy Hospital, LLG Engineers, PTS #658548, Updated June 2022.

OEHHA 2003. Office of Environmental Health Hazard Assessment. *The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*. Office of Environmental Health Hazard Assessment. August. Available at: <https://oehha.ca.gov/media/downloads/cnr/hrafinalnoapp.pdf>

OEHHA 2015. The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. Office of Environmental Health Hazard Assessment. February. Available at: <https://oehha.ca.gov/media/downloads/cnr/hrafinalnoapp.pdf>

SD City 2016. California Environmental Quality Act Significance Determination Thresholds. City of San Diego. July 2016. www.sandiego.gov/sites/default/files/july_2016_ceqa_thresholds_final_0.pdf

SDAPCD 2005. Measures to Reduce Particulate Matter in San Diego County, SDAPCD, December 2005. Available online at:

<https://www.sdapcd.org/content/dam/sdc/apcd/PDF/Air%20Quality%20Planning/P M-Measures.pdf>

SDAPCD 2015. Supplemental Guidelines for Submission of Air Toxics "Hot Spots" Program Health Risk Assessments (HRAs), San Diego County Air Pollution Control District, June 2015.

www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Misc/APCD_HRA_Guidelines.pdf

SDAPCD 2016. 2016 Revision of the Regional Air Quality Strategy for San Diego County, SDAPCD, December 2016. Available online at:

www.sdapcd.org/content/dam/sdc/apcd/PDF/Air%20Quality%20Planning/2016%20RAQS.pdf

SDAPCD 2019. Supplemental Guidelines for Submission of Rule 1200 Health Risk Assessments (HRAs), San Diego County Air Pollution Control District, July 2019.

www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Toxics_Program/APCD_1200_Supplemental_Guidelines.pdf.

SDAPCD 2020. Plan for Attaining the National Ambient Air Quality Standards for Ozone in San Diego County, San Diego County Air Pollution Control District, October 2020. Available online at:

www.sdapcd.org/content/sdc/apcd/en/air-quality-planning.html

USEPA 2019a. AERMOD Modeling System, US Environmental Protection Agency, Version 19191. Available at:

<https://www.epa.gov/scram/air-quality-dispersion-modeling-preferred-and-recommended-models>

VCAPCD 2001. AB 2588 Combustion Emission Factors, May 17, 2001. Available at:

<http://www.aqmd.gov/docs/default-source/permitting/toxics-emission-factors-from-combustion-process-.pdf>

APPENDIX A

CALEEMOD ANNUAL AND DAILY OUTPUT FILES

**TABLE A-1
PROJECT EQUIPMENT LIST**

Project Component	Equipment Type	Quantity	Max Daily Hours
Construction (Central Energy Plant Expansion)	Air Compressor	1	6
	Graders	1	8
	Cement and Concrete Mixer	4	6
	Loaders/Backhoes	2	8
	Cranes	1	4
	Forklifts	2	6
	Pavers	1	7
	Paving Rollers	1	7
	Rubber Tired Dozer	1	8
	Industrial Saw	1	8
Construction Medical Office Building II	Air Compressor	1	8
	Rubber Tired Dozers	2	8
	Graders	1	8
	Scrapers	1	8
	Backhoe/Loader	2	8
	Mobile Crane	1	7
	Off-Highway Truck	2	8
	Pile Driver	1	6
	Excavator	2	8
	Welder	4	8
	Industrial Saw	3	6
	Other Industrial	4	8
	Forklift	1	8
	Plate Compactor	1	8
	Concrete Mixer	4	8
	Concrete Pumps	1	8
	Generator Set	1	8
	Pavers	1	8
	Paving Rollers	2	6
	Paving Equipment	2	6
Demolition (Facility Bldg, Gen/CT Bldg, BHC/Hosp Bldg, 550 WA Bldg & Parking, Mercy Manor/ Parking 4.1)	Air Compressor	2	10
	Rubber Tired Loaders	1	10
	Backhoe/Loader	1	10
	Mobile Crane	1	10
	Off-Highway Truck	6	10
	Pile Driver	1	10
	Excavator	1	10
	Welder	1	10
	Industrial Saw	2	10
	Other Industrial	4	10

**TABLE A-1
PROJECT EQUIPMENT LIST**

Project Component	Equipment Type	Quantity	Max Daily Hours
Construction Hospital I Hospital II	Air Compressor	2	10
	Rubber Tired Dozers	3	10
	Graders	1	10
	Scrapers	2	10
	Backhoe/Loader	4	10
	Mobile Crane	1	10
	Off-Highway Truck	8	10
	Pile Driver	1	10
	Excavator	1	10
	Welder	6	10
	Industrial Saw	6	10
	Other Industrial	7	10
	Forklift	2	10
	Plate Compactor	2	10
	Concrete Mixer	15	10
	Concrete Pumps	2	10
	Generator Set	1	10
	Pavers	2	8
	Paving Rollers	2	8
	Paving Equipment	2	8
Construction Hospital Support Building	Air Compressor	2	10
	Rubber Tired Dozers	2	10
	Graders	1	10
	Scrapers	2	10
	Backhoe/Loader	2	10
	Mobile Crane	1	10
	Off-Highway Truck	8	10
	Pile Driver	1	10
	Excavator	1	10
	Welder	6	10
	Industrial Saw	4	10
	Other Industrial	6	10
	Forklift	1	10
	Plate Compactor	2	10
	Concrete Mixer	10	10
	Concrete Pumps	2	10
	Generator Set	1	10
	Pavers	1	6
	Paving Rollers	1	7
	Paving Equipment	1	8

**TABLE A-1
PROJECT EQUIPMENT LIST**

Project Component	Equipment Type	Quantity	Max Daily Hours
Demolition (Emergency Department / Ambulance)	Processing Equip.	1	10
	Rubber Tired Loaders	1	10
	Rubber Tired Dozer	1	1
	Backhoe/Loader	1	10
	Mobile Crane	1	10
	Off-Highway Truck	6	10
	Excavator	1	10
	Industrial Saw	2	10

Scripps Mercy CEP Expansion - San Diego Air Basin, Annual

**Scripps Mercy CEP Expansion
San Diego Air Basin, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	2.40	1000sqft	0.54	2,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2030
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Scripps Mercy CEP Expansion - San Diego Air Basin, Annual

Project Characteristics -

Land Use - Two Utility Yards (23,000 sq ft) area included in total lot area.

Construction Phase - The central energy plant expansion may occur between Aug 2021 and Mar 2023, but all construction activity was assumed over the year 2022, using the default number of days for this land use type and size.

Off-road Equipment -

Off-road Equipment - Default equipment was used for the construction of the CEP.

Architectural Coating -

Vehicle Trips -

Area Coating - SDAPCD Rule 60.0.1. Architectural Coatings: 50 g/L VOC will be applied for interior and exterior paint. Traffic markings paints are listed as 100 g/L VOC.

Construction Off-road Equipment Mitigation - Tier 4 engines will be implemented for clean fleet construction equipment, over 200 hp. Watering 3x per day.

Area Mitigation - Use low VOC cleaning supplies and electric landscaping.

Energy Mitigation - Implement the same 20% improvement for health care facilities assumed for the new 2022 Building Standards for health care facilities. 20% lighting energy reduction for non-residential per 2022 Stds.

Waste Mitigation - Consistent with 25% reduction in waste for health care facility

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	100
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblLandUse	LotAcreage	0.06	0.54

2.0 Emissions Summary

Scripps Mercy CEP Expansion - San Diego Air Basin, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-3-2022	4-2-2022	0.2476	0.1827
2	4-3-2022	7-2-2022	0.1946	0.1550
		Highest	0.2476	0.1827

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	9.9300e-003	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e-005	4.0000e-005	0.0000	0.0000	5.0000e-005
Energy	1.5000e-004	1.3600e-003	1.1400e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	7.9984	7.9984	2.9000e-004	8.0000e-005	8.0299
Mobile	2.4800e-003	0.0108	0.0301	1.2000e-004	0.0139	8.0000e-005	0.0140	3.7200e-003	7.0000e-005	3.7900e-003	0.0000	11.5497	11.5497	5.6000e-004	0.0000	11.5636
Waste						0.0000	0.0000		0.0000	0.0000	0.6049	0.0000	0.6049	0.0358	0.0000	1.4987
Water						0.0000	0.0000		0.0000	0.0000	0.1761	2.3617	2.5378	0.0182	4.5000e-004	3.1254
Total	0.0126	0.0121	0.0313	1.3000e-004	0.0139	1.8000e-004	0.0141	3.7200e-003	1.7000e-004	3.8900e-003	0.7810	21.9099	22.6909	0.0548	5.3000e-004	24.2177

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	9.2300e-003	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e-005	4.0000e-005	0.0000	0.0000	5.0000e-005
Energy	1.4000e-004	1.2600e-003	1.0600e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	7.2543	7.2543	2.6000e-004	7.0000e-005	7.2829
Mobile	2.4800e-003	0.0108	0.0301	1.2000e-004	0.0139	8.0000e-005	0.0140	3.7200e-003	7.0000e-005	3.7900e-003	0.0000	11.5497	11.5497	5.6000e-004	0.0000	11.5636
Waste						0.0000	0.0000		0.0000	0.0000	0.4537	0.0000	0.4537	0.0268	0.0000	1.1240
Water						0.0000	0.0000		0.0000	0.0000	0.1761	2.3617	2.5378	0.0182	4.5000e-004	3.1254
Total	0.0119	0.0120	0.0312	1.3000e-004	0.0139	1.8000e-004	0.0141	3.7200e-003	1.7000e-004	3.8900e-003	0.6298	21.1658	21.7955	0.0458	5.2000e-004	23.0960

	ROG	NOx	CO	SO2	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	5.65	0.82	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.36	3.40	3.95	16.37	1.89	4.63

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/3/2022	1/3/2022	5	1	
2	Grading	Grading	1/4/2022	1/5/2022	5	2	
3	Building Construction	Building Construction	1/6/2022	5/25/2022	5	100	
4	Paving	Paving	5/26/2022	6/1/2022	5	5	
5	Architectural Coating	Architectural Coating	6/2/2022	6/8/2022	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 3,600; Non-Residential Outdoor: 1,200; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Site Preparation	Graders	1	8.00	187	0.41
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	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	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 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					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9000e-004	3.4700e-003	1.9800e-003	0.0000		1.3000e-004	1.3000e-004		1.2000e-004	1.2000e-004	0.0000	0.4275	0.4275	1.4000e-004	0.0000	0.4310
Total	2.9000e-004	3.4700e-003	1.9800e-003	0.0000	2.7000e-004	1.3000e-004	4.0000e-004	3.0000e-005	1.2000e-004	1.5000e-004	0.0000	0.4275	0.4275	1.4000e-004	0.0000	0.4310

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3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.2000e-004	0.0000	7.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0337	0.0337	0.0000	0.0000	0.0338
Total	2.0000e-005	1.0000e-005	1.2000e-004	0.0000	7.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0337	0.0337	0.0000	0.0000	0.0338

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9000e-004	3.4700e-003	1.9800e-003	0.0000		1.3000e-004	1.3000e-004		1.2000e-004	1.2000e-004	0.0000	0.4275	0.4275	1.4000e-004	0.0000	0.4310
Total	2.9000e-004	3.4700e-003	1.9800e-003	0.0000	1.0000e-004	1.3000e-004	2.3000e-004	1.0000e-005	1.2000e-004	1.3000e-004	0.0000	0.4275	0.4275	1.4000e-004	0.0000	0.4310

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3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.2000e-004	0.0000	7.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0337	0.0337	0.0000	0.0000	0.0338
Total	2.0000e-005	1.0000e-005	1.2000e-004	0.0000	7.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0337	0.0337	0.0000	0.0000	0.0338

3.3 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	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1000e-004	6.4100e-003	7.4700e-003	1.0000e-005		3.4000e-004	3.4000e-004		3.2000e-004	3.2000e-004	0.0000	1.0414	1.0414	1.9000e-004	0.0000	1.0462
Total	7.1000e-004	6.4100e-003	7.4700e-003	1.0000e-005	7.5000e-004	3.4000e-004	1.0900e-003	4.1000e-004	3.2000e-004	7.3000e-004	0.0000	1.0414	1.0414	1.9000e-004	0.0000	1.0462

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3.3 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0675	0.0675	0.0000	0.0000	0.0675
Total	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0675	0.0675	0.0000	0.0000	0.0675

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.9000e-004	0.0000	2.9000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1000e-004	6.4100e-003	7.4700e-003	1.0000e-005		3.4000e-004	3.4000e-004		3.2000e-004	3.2000e-004	0.0000	1.0414	1.0414	1.9000e-004	0.0000	1.0462
Total	7.1000e-004	6.4100e-003	7.4700e-003	1.0000e-005	2.9000e-004	3.4000e-004	6.3000e-004	1.6000e-004	3.2000e-004	4.8000e-004	0.0000	1.0414	1.0414	1.9000e-004	0.0000	1.0462

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3.3 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0675	0.0675	0.0000	0.0000	0.0675
Total	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0675	0.0675	0.0000	0.0000	0.0675

3.4 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	0.0343	0.3513	0.3576	5.7000e-004		0.0186	0.0186		0.0171	0.0171	0.0000	50.0739	50.0739	0.0162	0.0000	50.4787
Total	0.0343	0.3513	0.3576	5.7000e-004		0.0186	0.0186		0.0171	0.0171	0.0000	50.0739	50.0739	0.0162	0.0000	50.4787

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3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	1.1000e-004	1.1600e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3374	0.3374	1.0000e-005	0.0000	0.3377
Total	1.6000e-004	1.1000e-004	1.1600e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3374	0.3374	1.0000e-005	0.0000	0.3377

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0268	0.2544	0.3753	5.7000e-004		0.0145	0.0145		0.0134	0.0134	0.0000	50.0738	50.0738	0.0162	0.0000	50.4787
Total	0.0268	0.2544	0.3753	5.7000e-004		0.0145	0.0145		0.0134	0.0134	0.0000	50.0738	50.0738	0.0162	0.0000	50.4787

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3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	1.1000e-004	1.1600e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3374	0.3374	1.0000e-005	0.0000	0.3377
Total	1.6000e-004	1.1000e-004	1.1600e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3374	0.3374	1.0000e-005	0.0000	0.3377

3.5 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	1.6200e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.6200e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663

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3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.0000e-004	1.0400e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3037	0.3037	1.0000e-005	0.0000	0.3039
Total	1.5000e-004	1.0000e-004	1.0400e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3037	0.3037	1.0000e-005	0.0000	0.3039

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.6200e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.6200e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663

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3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.0000e-004	1.0400e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3037	0.3037	1.0000e-005	0.0000	0.3039
Total	1.5000e-004	1.0000e-004	1.0400e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3037	0.3037	1.0000e-005	0.0000	0.3039

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0278					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	0.0283	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

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3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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	0.0278					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	0.0283	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

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3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

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

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.4800e-003	0.0108	0.0301	1.2000e-004	0.0139	8.0000e-005	0.0140	3.7200e-003	7.0000e-005	3.7900e-003	0.0000	11.5497	11.5497	5.6000e-004	0.0000	11.5636
Unmitigated	2.4800e-003	0.0108	0.0301	1.2000e-004	0.0139	8.0000e-005	0.0140	3.7200e-003	7.0000e-005	3.7900e-003	0.0000	11.5497	11.5497	5.6000e-004	0.0000	11.5636

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	16.73	3.17	1.63	36,886	36,886
Total	16.73	3.17	1.63	36,886	36,886

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.616428	0.037185	0.177402	0.097684	0.012090	0.005279	0.017663	0.025476	0.001931	0.001677	0.005617	0.000785	0.000782

5.0 Energy Detail

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Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.8841	5.8841	2.4000e-004	5.0000e-005	5.9047
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	6.5179	6.5179	2.6000e-004	5.0000e-005	6.5406
NaturalGas Mitigated	1.4000e-004	1.2600e-003	1.0600e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.3701	1.3701	3.0000e-005	3.0000e-005	1.3783
NaturalGas Unmitigated	1.5000e-004	1.3600e-003	1.1400e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4805	1.4805	3.0000e-005	3.0000e-005	1.4893

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	27744	1.5000e-004	1.3600e-003	1.1400e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4805	1.4805	3.0000e-005	3.0000e-005	1.4893
Total		1.5000e-004	1.3600e-003	1.1400e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4805	1.4805	3.0000e-005	3.0000e-005	1.4893

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	25675.2	1.4000e-004	1.2600e-003	1.0600e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.3701	1.3701	3.0000e-005	3.0000e-005	1.3783
Total		1.4000e-004	1.2600e-003	1.0600e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.3701	1.3701	3.0000e-005	3.0000e-005	1.3783

Scripps Mercy CEP Expansion - San Diego Air Basin, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	19944	6.5179	2.6000e-004	5.0000e-005	6.5406
Total		6.5179	2.6000e-004	5.0000e-005	6.5406

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	18004.8	5.8841	2.4000e-004	5.0000e-005	5.9047
Total		5.8841	2.4000e-004	5.0000e-005	5.9047

6.0 Area Detail

6.1 Mitigation Measures Area

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Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	9.2300e-003	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e-005	4.0000e-005	0.0000	0.0000	5.0000e-005
Unmitigated	9.9300e-003	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e-005	4.0000e-005	0.0000	0.0000	5.0000e-005

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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	5.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	9.3700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e-005	4.0000e-005	0.0000	0.0000	5.0000e-005
Total	9.9300e-003	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e-005	4.0000e-005	0.0000	0.0000	5.0000e-005

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	5.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.6700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e-005	4.0000e-005	0.0000	0.0000	5.0000e-005
Total	9.2300e-003	0.0000	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e-005	4.0000e-005	0.0000	0.0000	5.0000e-005

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7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.5378	0.0182	4.5000e-004	3.1254
Unmitigated	2.5378	0.0182	4.5000e-004	3.1254

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0.555 / 0	2.5378	0.0182	4.5000e-004	3.1254
Total		2.5378	0.0182	4.5000e-004	3.1254

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7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0.555 / 0	2.5378	0.0182	4.5000e-004	3.1254
Total		2.5378	0.0182	4.5000e-004	3.1254

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.4537	0.0268	0.0000	1.1240
Unmitigated	0.6049	0.0358	0.0000	1.4987

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	2.98	0.6049	0.0358	0.0000	1.4987
Total		0.6049	0.0358	0.0000	1.4987

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	2.235	0.4537	0.0268	0.0000	1.1240
Total		0.4537	0.0268	0.0000	1.1240

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

Equipment Type	Number
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11.0 Vegetation

Scripps Mercy CEP Expansion - San Diego Air Basin, Annual

Scripps Mercy CEP Expansion - San Diego Air Basin, Summer

Scripps Mercy CEP Expansion
San Diego Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	2.40	1000sqft	0.54	2,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2030
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Scripps Mercy CEP Expansion - San Diego Air Basin, Summer

Project Characteristics -

Land Use - Two Utility Yards (23,000 sq ft) area included in total lot area.

Construction Phase - The central energy plant expansion may occur between Aug 2021 and Mar 2023, but all construction activity was assumed over the year 2022, using the default number of days for this land use type and size.

Off-road Equipment -

Off-road Equipment - Default equipment was used for the construction of the CEP.

Architectural Coating -

Vehicle Trips -

Area Coating - SDAPCD Rule 60.0.1. Architectural Coatings: 50 g/L VOC will be applied for interior and exterior paint. Traffic markings paints are listed as 100 g/L VOC.

Construction Off-road Equipment Mitigation - Tier 4 engines will be implemented for clean fleet construction equipment, over 200 hp. Watering 3x per day.

Area Mitigation - Use low VOC cleaning supplies and electric landscaping.

Energy Mitigation - Implement the same 20% improvement for health care facilities assumed for the new 2022 Building Standards for health care facilities. 20% lighting energy reduction for non-residential per 2022 Stds.

Waste Mitigation - Consistent with 25% reduction in waste for health care facility

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	100
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblLandUse	LotAcreage	0.06	0.54

2.0 Emissions Summary

Scripps Mercy CEP Expansion - San Diego Air Basin, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0544	0.0000	2.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.3000e-004	5.3000e-004	0.0000		5.6000e-004
Energy	8.2000e-004	7.4500e-003	6.2600e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		8.9425	8.9425	1.7000e-004	1.6000e-004	8.9956
Mobile	0.0191	0.0765	0.2268	9.4000e-004	0.1035	5.9000e-004	0.1041	0.0277	5.4000e-004	0.0282		96.5149	96.5149	4.4800e-003		96.6269
Total	0.0743	0.0839	0.2333	9.8000e-004	0.1035	1.1600e-003	0.1047	0.0277	1.1100e-003	0.0288		105.4579	105.4579	4.6500e-003	1.6000e-004	105.6231

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	0.0506	0.0000	2.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.2000e-004	5.2000e-004	0.0000		5.5000e-004
Energy	7.6000e-004	6.9000e-003	5.7900e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.2757	8.2757	1.6000e-004	1.5000e-004	8.3248
Mobile	0.0191	0.0765	0.2268	9.4000e-004	0.1035	5.9000e-004	0.1041	0.0277	5.4000e-004	0.0282		96.5149	96.5149	4.4800e-003		96.6269
Total	0.0704	0.0834	0.2328	9.8000e-004	0.1035	1.1100e-003	0.1046	0.0277	1.0600e-003	0.0287		104.7911	104.7911	4.6400e-003	1.5000e-004	104.9523

Scripps Mercy CEP Expansion - San Diego Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.25	0.66	0.20	0.00	0.00	4.31	0.05	0.00	4.50	0.17	0.00	0.63	0.63	0.22	6.25	0.64

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/3/2022	1/3/2022	5	1	
2	Grading	Grading	1/4/2022	1/5/2022	5	2	
3	Building Construction	Building Construction	1/6/2022	5/25/2022	5	100	
4	Paving	Paving	5/26/2022	6/1/2022	5	5	
5	Architectural Coating	Architectural Coating	6/2/2022	6/8/2022	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 3,600; Non-Residential Outdoor: 1,200; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Scripps Mercy CEP Expansion - San Diego Air Basin, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Site Preparation	Graders	1	8.00	187	0.41
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	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	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Scripps Mercy CEP Expansion - San Diego Air Basin, Summer

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 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					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.5797	6.9332	3.9597	9.7300e-003		0.2573	0.2573		0.2367	0.2367		942.5179	942.5179	0.3048		950.1386
Total	0.5797	6.9332	3.9597	9.7300e-003	0.5303	0.2573	0.7876	0.0573	0.2367	0.2940		942.5179	942.5179	0.3048		950.1386

Scripps Mercy CEP Expansion - San Diego Air Basin, Summer

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0327	0.0205	0.2466	7.9000e-004	0.1535	5.6000e-004	0.1541	0.0393	5.1000e-004	0.0398		78.4560	78.4560	2.1300e-003		78.5092
Total	0.0327	0.0205	0.2466	7.9000e-004	0.1535	5.6000e-004	0.1541	0.0393	5.1000e-004	0.0398		78.4560	78.4560	2.1300e-003		78.5092

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.5797	6.9332	3.9597	9.7300e-003		0.2573	0.2573		0.2367	0.2367	0.0000	942.5179	942.5179	0.3048		950.1386
Total	0.5797	6.9332	3.9597	9.7300e-003	0.2068	0.2573	0.4641	0.0223	0.2367	0.2591	0.0000	942.5179	942.5179	0.3048		950.1386

Scripps Mercy CEP Expansion - San Diego Air Basin, Summer

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0327	0.0205	0.2466	7.9000e-004	0.1535	5.6000e-004	0.1541	0.0393	5.1000e-004	0.0398		78.4560	78.4560	2.1300e-003		78.5092
Total	0.0327	0.0205	0.2466	7.9000e-004	0.1535	5.6000e-004	0.1541	0.0393	5.1000e-004	0.0398		78.4560	78.4560	2.1300e-003		78.5092

3.3 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					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	0.7528	0.3375	1.0903	0.4138	0.3225	0.7363		1,147.9025	1,147.9025	0.2119		1,153.2001

Scripps Mercy CEP Expansion - San Diego Air Basin, Summer

3.3 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0327	0.0205	0.2466	7.9000e-004	0.0822	5.6000e-004	0.0827	0.0218	5.1000e-004	0.0223		78.4560	78.4560	2.1300e-003		78.5092
Total	0.0327	0.0205	0.2466	7.9000e-004	0.0822	5.6000e-004	0.0827	0.0218	5.1000e-004	0.0223		78.4560	78.4560	2.1300e-003		78.5092

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	0.2936	0.3375	0.6311	0.1614	0.3225	0.4839	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

Scripps Mercy CEP Expansion - San Diego Air Basin, Summer

3.3 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0327	0.0205	0.2466	7.9000e-004	0.0822	5.6000e-004	0.0827	0.0218	5.1000e-004	0.0223		78.4560	78.4560	2.1300e-003		78.5092
Total	0.0327	0.0205	0.2466	7.9000e-004	0.0822	5.6000e-004	0.0827	0.0218	5.1000e-004	0.0223		78.4560	78.4560	2.1300e-003		78.5092

3.4 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	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422		1,103.9393	1,103.9393	0.3570		1,112.8652
Total	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422		1,103.9393	1,103.9393	0.3570		1,112.8652

Scripps Mercy CEP Expansion - San Diego Air Basin, Summer

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.2700e-003	2.0500e-003	0.0247	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		7.8456	7.8456	2.1000e-004		7.8509
Total	3.2700e-003	2.0500e-003	0.0247	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		7.8456	7.8456	2.1000e-004		7.8509

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5353	5.0872	7.5062	0.0114		0.2898	0.2898		0.2670	0.2670	0.0000	1,103.9393	1,103.9393	0.3570		1,112.8652
Total	0.5353	5.0872	7.5062	0.0114		0.2898	0.2898		0.2670	0.2670	0.0000	1,103.9393	1,103.9393	0.3570		1,112.8652

Scripps Mercy CEP Expansion - San Diego Air Basin, Summer

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.2700e-003	2.0500e-003	0.0247	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		7.8456	7.8456	2.1000e-004		7.8509
Total	3.2700e-003	2.0500e-003	0.0247	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		7.8456	7.8456	2.1000e-004		7.8509

3.5 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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677

Scripps Mercy CEP Expansion - San Diego Air Basin, Summer

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0589	0.0369	0.4440	1.4200e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		141.2208	141.2208	3.8400e-003		141.3166
Total	0.0589	0.0369	0.4440	1.4200e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		141.2208	141.2208	3.8400e-003		141.3166

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677

Scripps Mercy CEP Expansion - San Diego Air Basin, Summer

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0589	0.0369	0.4440	1.4200e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		141.2208	141.2208	3.8400e-003		141.3166
Total	0.0589	0.0369	0.4440	1.4200e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		141.2208	141.2208	3.8400e-003		141.3166

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.1240					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	11.3285	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Scripps Mercy CEP Expansion - San Diego Air Basin, Summer

3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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	11.1240					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	11.3285	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Scripps Mercy CEP Expansion - San Diego Air Basin, Summer

3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

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

Scripps Mercy CEP Expansion - San Diego Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0191	0.0765	0.2268	9.4000e-004	0.1035	5.9000e-004	0.1041	0.0277	5.4000e-004	0.0282		96.5149	96.5149	4.4800e-003		96.6269
Unmitigated	0.0191	0.0765	0.2268	9.4000e-004	0.1035	5.9000e-004	0.1041	0.0277	5.4000e-004	0.0282		96.5149	96.5149	4.4800e-003		96.6269

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	16.73	3.17	1.63	36,886	36,886
Total	16.73	3.17	1.63	36,886	36,886

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.616428	0.037185	0.177402	0.097684	0.012090	0.005279	0.017663	0.025476	0.001931	0.001677	0.005617	0.000785	0.000782

5.0 Energy Detail

Scripps Mercy CEP Expansion - San Diego Air Basin, Summer

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.6000e-004	6.9000e-003	5.7900e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.2757	8.2757	1.6000e-004	1.5000e-004	8.3248
NaturalGas Unmitigated	8.2000e-004	7.4500e-003	6.2600e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		8.9425	8.9425	1.7000e-004	1.6000e-004	8.9956

Scripps Mercy CEP Expansion - San Diego Air Basin, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	76.011	8.2000e-004	7.4500e-003	6.2600e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		8.9425	8.9425	1.7000e-004	1.6000e-004	8.9956
Total		8.2000e-004	7.4500e-003	6.2600e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		8.9425	8.9425	1.7000e-004	1.6000e-004	8.9956

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0.070343	7.6000e-004	6.9000e-003	5.7900e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.2757	8.2757	1.6000e-004	1.5000e-004	8.3248
Total		7.6000e-004	6.9000e-003	5.7900e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.2757	8.2757	1.6000e-004	1.5000e-004	8.3248

6.0 Area Detail

6.1 Mitigation Measures Area

Scripps Mercy CEP Expansion - San Diego Air Basin, Summer

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0506	0.0000	2.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.2000e-004	5.2000e-004	0.0000		5.5000e-004
Unmitigated	0.0544	0.0000	2.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.3000e-004	5.3000e-004	0.0000		5.6000e-004

Scripps Mercy CEP Expansion - San Diego Air Basin, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.0500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0514					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-005	0.0000	2.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.3000e-004	5.3000e-004	0.0000		5.6000e-004
Total	0.0544	0.0000	2.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.3000e-004	5.3000e-004	0.0000		5.6000e-004

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	3.0500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0475					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-005	0.0000	2.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.2000e-004	5.2000e-004	0.0000		5.5000e-004
Total	0.0506	0.0000	2.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.2000e-004	5.2000e-004	0.0000		5.5000e-004

Scripps Mercy CEP Expansion - San Diego Air Basin, Summer

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Scripps Mercy CEP Expansion - San Diego Air Basin, Winter

Scripps Mercy CEP Expansion
San Diego Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	2.40	1000sqft	0.54	2,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2030
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Scripps Mercy CEP Expansion - San Diego Air Basin, Winter

Project Characteristics -

Land Use - Two Utility Yards (23,000 sq ft) area included in total lot area.

Construction Phase - The central energy plant expansion may occur between Aug 2021 and Mar 2023, but all construction activity was assumed over the year 2022, using the default number of days for this land use type and size.

Off-road Equipment -

Off-road Equipment - Default equipment was used for the construction of the CEP.

Architectural Coating -

Vehicle Trips -

Area Coating - SDAPCD Rule 60.0.1. Architectural Coatings: 50 g/L VOC will be applied for interior and exterior paint. Traffic markings paints are listed as 100 g/L VOC.

Construction Off-road Equipment Mitigation - Tier 4 engines will be implemented for clean fleet construction equipment, over 200 hp. Watering 3x per day.

Area Mitigation - Use low VOC cleaning supplies and electric landscaping.

Energy Mitigation - Implement the same 20% improvement for health care facilities assumed for the new 2022 Building Standards for health care facilities. 20% lighting energy reduction for non-residential per 2022 Stds.

Waste Mitigation - Consistent with 25% reduction in waste for health care facility

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	100
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblLandUse	LotAcreage	0.06	0.54

2.0 Emissions Summary

Scripps Mercy CEP Expansion - San Diego Air Basin, Winter

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0544	0.0000	2.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.3000e-004	5.3000e-004	0.0000		5.6000e-004
Energy	8.2000e-004	7.4500e-003	6.2600e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		8.9425	8.9425	1.7000e-004	1.6000e-004	8.9956
Mobile	0.0184	0.0781	0.2212	9.0000e-004	0.1035	5.9000e-004	0.1041	0.0277	5.5000e-004	0.0282		91.7559	91.7559	4.5000e-003		91.8683
Total	0.0737	0.0856	0.2277	9.4000e-004	0.1035	1.1600e-003	0.1047	0.0277	1.1200e-003	0.0288		100.6989	100.6989	4.6700e-003	1.6000e-004	100.8645

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	0.0506	0.0000	2.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.2000e-004	5.2000e-004	0.0000		5.5000e-004
Energy	7.6000e-004	6.9000e-003	5.7900e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.2757	8.2757	1.6000e-004	1.5000e-004	8.3248
Mobile	0.0184	0.0781	0.2212	9.0000e-004	0.1035	5.9000e-004	0.1041	0.0277	5.5000e-004	0.0282		91.7559	91.7559	4.5000e-003		91.8683
Total	0.0698	0.0850	0.2273	9.4000e-004	0.1035	1.1100e-003	0.1046	0.0277	1.0700e-003	0.0287		100.0320	100.0320	4.6600e-003	1.5000e-004	100.1937

Scripps Mercy CEP Expansion - San Diego Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.29	0.64	0.21	0.00	0.00	4.31	0.05	0.00	4.46	0.17	0.00	0.66	0.66	0.21	6.25	0.67

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	1/3/2022	1/3/2022	5	1	
2	Grading	Grading	1/4/2022	1/5/2022	5	2	
3	Building Construction	Building Construction	1/6/2022	5/25/2022	5	100	
4	Paving	Paving	5/26/2022	6/1/2022	5	5	
5	Architectural Coating	Architectural Coating	6/2/2022	6/8/2022	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 3,600; Non-Residential Outdoor: 1,200; Striped Parking Area: 0
(Architectural Coating – sqft)

OffRoad Equipment

Scripps Mercy CEP Expansion - San Diego Air Basin, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Site Preparation	Graders	1	8.00	187	0.41
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	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	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Scripps Mercy CEP Expansion - San Diego Air Basin, Winter

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 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					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.5797	6.9332	3.9597	9.7300e-003		0.2573	0.2573		0.2367	0.2367		942.5179	942.5179	0.3048		950.1386
Total	0.5797	6.9332	3.9597	9.7300e-003	0.5303	0.2573	0.7876	0.0573	0.2367	0.2940		942.5179	942.5179	0.3048		950.1386

Scripps Mercy CEP Expansion - San Diego Air Basin, Winter

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0372	0.0230	0.2314	7.4000e-004	0.1535	5.6000e-004	0.1541	0.0393	5.1000e-004	0.0398		73.6526	73.6526	2.0100e-003		73.7028
Total	0.0372	0.0230	0.2314	7.4000e-004	0.1535	5.6000e-004	0.1541	0.0393	5.1000e-004	0.0398		73.6526	73.6526	2.0100e-003		73.7028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.5797	6.9332	3.9597	9.7300e-003		0.2573	0.2573		0.2367	0.2367	0.0000	942.5179	942.5179	0.3048		950.1386
Total	0.5797	6.9332	3.9597	9.7300e-003	0.2068	0.2573	0.4641	0.0223	0.2367	0.2591	0.0000	942.5179	942.5179	0.3048		950.1386

Scripps Mercy CEP Expansion - San Diego Air Basin, Winter

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0372	0.0230	0.2314	7.4000e-004	0.1535	5.6000e-004	0.1541	0.0393	5.1000e-004	0.0398		73.6526	73.6526	2.0100e-003		73.7028
Total	0.0372	0.0230	0.2314	7.4000e-004	0.1535	5.6000e-004	0.1541	0.0393	5.1000e-004	0.0398		73.6526	73.6526	2.0100e-003		73.7028

3.3 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					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	0.7528	0.3375	1.0903	0.4138	0.3225	0.7363		1,147.9025	1,147.9025	0.2119		1,153.2001

Scripps Mercy CEP Expansion - San Diego Air Basin, Winter

3.3 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0372	0.0230	0.2314	7.4000e-004	0.0822	5.6000e-004	0.0827	0.0218	5.1000e-004	0.0223		73.6526	73.6526	2.0100e-003		73.7028
Total	0.0372	0.0230	0.2314	7.4000e-004	0.0822	5.6000e-004	0.0827	0.0218	5.1000e-004	0.0223		73.6526	73.6526	2.0100e-003		73.7028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	0.2936	0.3375	0.6311	0.1614	0.3225	0.4839	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

Scripps Mercy CEP Expansion - San Diego Air Basin, Winter

3.3 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0372	0.0230	0.2314	7.4000e-004	0.0822	5.6000e-004	0.0827	0.0218	5.1000e-004	0.0223		73.6526	73.6526	2.0100e-003		73.7028
Total	0.0372	0.0230	0.2314	7.4000e-004	0.0822	5.6000e-004	0.0827	0.0218	5.1000e-004	0.0223		73.6526	73.6526	2.0100e-003		73.7028

3.4 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	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422		1,103.9393	1,103.9393	0.3570		1,112.8652
Total	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422		1,103.9393	1,103.9393	0.3570		1,112.8652

Scripps Mercy CEP Expansion - San Diego Air Basin, Winter

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.7200e-003	2.3000e-003	0.0231	7.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		7.3653	7.3653	2.0000e-004		7.3703
Total	3.7200e-003	2.3000e-003	0.0231	7.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		7.3653	7.3653	2.0000e-004		7.3703

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5353	5.0872	7.5062	0.0114		0.2898	0.2898		0.2670	0.2670	0.0000	1,103.9393	1,103.9393	0.3570		1,112.8652
Total	0.5353	5.0872	7.5062	0.0114		0.2898	0.2898		0.2670	0.2670	0.0000	1,103.9393	1,103.9393	0.3570		1,112.8652

Scripps Mercy CEP Expansion - San Diego Air Basin, Winter

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.7200e-003	2.3000e-003	0.0231	7.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		7.3653	7.3653	2.0000e-004		7.3703
Total	3.7200e-003	2.3000e-003	0.0231	7.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		7.3653	7.3653	2.0000e-004		7.3703

3.5 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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677

Scripps Mercy CEP Expansion - San Diego Air Basin, Winter

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0669	0.0414	0.4164	1.3300e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		132.5746	132.5746	3.6200e-003		132.6651
Total	0.0669	0.0414	0.4164	1.3300e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		132.5746	132.5746	3.6200e-003		132.6651

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677

Scripps Mercy CEP Expansion - San Diego Air Basin, Winter

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0669	0.0414	0.4164	1.3300e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		132.5746	132.5746	3.6200e-003		132.6651
Total	0.0669	0.0414	0.4164	1.3300e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		132.5746	132.5746	3.6200e-003		132.6651

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.1240					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	11.3285	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Scripps Mercy CEP Expansion - San Diego Air Basin, Winter

3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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	11.1240					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	11.3285	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Scripps Mercy CEP Expansion - San Diego Air Basin, Winter

3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

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

Scripps Mercy CEP Expansion - San Diego Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0184	0.0781	0.2212	9.0000e-004	0.1035	5.9000e-004	0.1041	0.0277	5.5000e-004	0.0282		91.7559	91.7559	4.5000e-003		91.8683
Unmitigated	0.0184	0.0781	0.2212	9.0000e-004	0.1035	5.9000e-004	0.1041	0.0277	5.5000e-004	0.0282		91.7559	91.7559	4.5000e-003		91.8683

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	16.73	3.17	1.63	36,886	36,886
Total	16.73	3.17	1.63	36,886	36,886

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.616428	0.037185	0.177402	0.097684	0.012090	0.005279	0.017663	0.025476	0.001931	0.001677	0.005617	0.000785	0.000782

5.0 Energy Detail

Scripps Mercy CEP Expansion - San Diego Air Basin, Winter

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Natural Gas Mitigated	7.6000e-004	6.9000e-003	5.7900e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.2757	8.2757	1.6000e-004	1.5000e-004	8.3248
Natural Gas Unmitigated	8.2000e-004	7.4500e-003	6.2600e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		8.9425	8.9425	1.7000e-004	1.6000e-004	8.9956

Scripps Mercy CEP Expansion - San Diego Air Basin, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	76.011	8.2000e-004	7.4500e-003	6.2600e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		8.9425	8.9425	1.7000e-004	1.6000e-004	8.9956
Total		8.2000e-004	7.4500e-003	6.2600e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004		8.9425	8.9425	1.7000e-004	1.6000e-004	8.9956

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0.070343	7.6000e-004	6.9000e-003	5.7900e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.2757	8.2757	1.6000e-004	1.5000e-004	8.3248
Total		7.6000e-004	6.9000e-003	5.7900e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.2757	8.2757	1.6000e-004	1.5000e-004	8.3248

6.0 Area Detail

6.1 Mitigation Measures Area

Scripps Mercy CEP Expansion - San Diego Air Basin, Winter

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0506	0.0000	2.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.2000e-004	5.2000e-004	0.0000		5.5000e-004
Unmitigated	0.0544	0.0000	2.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.3000e-004	5.3000e-004	0.0000		5.6000e-004

Scripps Mercy CEP Expansion - San Diego Air Basin, Winter

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.0500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0514					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-005	0.0000	2.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.3000e-004	5.3000e-004	0.0000		5.6000e-004
Total	0.0544	0.0000	2.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.3000e-004	5.3000e-004	0.0000		5.6000e-004

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	3.0500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0475					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-005	0.0000	2.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.2000e-004	5.2000e-004	0.0000		5.5000e-004
Total	0.0506	0.0000	2.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.2000e-004	5.2000e-004	0.0000		5.5000e-004

Scripps Mercy CEP Expansion - San Diego Air Basin, Winter

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Boilers

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

Equipment Type	Number
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11.0 Vegetation

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Annual

**Scripps Mercy Demo of Emerg Dept Ambulance
San Diego Air Basin, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	0.00	User Defined Unit	0.32	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2031
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage defined as ED Bldg sqft

Construction Phase - ED Demo project from Dec 2029 through Sept 2030, as shown in the phasing schedule

Off-road Equipment - Demolition equipment as defined by the project.

Demolition -

Trips and VMT - Default trips and VMT

Construction Off-road Equipment Mitigation - Tier 4 engines will be implemented for clean fleet construction equipment, over 200 hp. Watering 3x per day.

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Annual

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	216.00
tblConstructionPhase	PhaseEndDate	12/14/2029	9/30/2030
tblLandUse	LotAcreage	0.00	0.32
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.29	0.29
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.34	0.34
tblOffRoadEquipment	OffRoadEquipmentType		Crushing/Proc. Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Other General Industrial Equipment
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblTripsAndVMT	WorkerTripNumber	43.00	40.00

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Annual

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					
2029	0.0691	0.4810	0.6046	1.7100e-003	4.4500e-003	0.0190	0.0234	1.1000e-003	0.0177	0.0188	0.0000	149.6542	149.6542	0.0416	0.0000	150.6945
2030	0.7122	2.3679	5.4819	0.0169	0.0380	0.0704	0.1084	9.3900e-003	0.0704	0.0798	0.0000	1,619.9805	1,619.9805	0.0566	0.0000	1,621.3961
Maximum	0.7122	2.3679	5.4819	0.0169	0.0380	0.0704	0.1084	9.3900e-003	0.0704	0.0798	0.0000	1,619.9805	1,619.9805	0.0566	0.0000	1,621.3961

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					
2029	0.0389	0.2522	0.8509	1.7100e-003	4.0500e-003	0.0102	0.0143	1.0400e-003	9.8700e-003	0.0109	0.0000	149.6540	149.6540	0.0416	0.0000	150.6943
2030	0.3561	1.8437	7.9702	0.0169	0.0342	0.0481	0.0823	8.8200e-003	0.0481	0.0569	0.0000	1,619.9786	1,619.9786	0.0566	0.0000	1,621.3942
Maximum	0.3561	1.8437	7.9702	0.0169	0.0342	0.0481	0.0823	8.8200e-003	0.0481	0.0569	0.0000	1,619.9786	1,619.9786	0.0566	0.0000	1,621.3942

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2.2 Overall Operational

Mitigated Operational

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

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	12/3/2029	9/30/2030	5	216	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Crushing/Proc. Equipment	1	10.00	85	0.78
Demolition	Excavators	1	10.00	158	0.38
Demolition	Concrete/Industrial Saws	2	10.00	81	0.73
Demolition	Rubber Tired Loaders	1	10.00	203	0.36
Demolition	Cranes	1	10.00	231	0.29
Demolition	Off-Highway Trucks	6	10.00	402	0.38
Demolition	Other General Industrial Equipment	3	10.00	88	0.34
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	10.00	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
Demolition	17	40.00	0.00	63.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

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3.2 Demolition - 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					
Fugitive Dust					6.7000e-004	0.0000	6.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0681	0.4800	0.5982	1.6800e-003		0.0189	0.0189		0.0177	0.0177	0.0000	147.2334	147.2334	0.0416	0.0000	148.2720
Total	0.0681	0.4800	0.5982	1.6800e-003	6.7000e-004	0.0189	0.0196	1.0000e-004	0.0177	0.0178	0.0000	147.2334	147.2334	0.0416	0.0000	148.2720

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	4.4000e-004	2.0000e-004	0.0000	4.2000e-004	0.0000	4.2000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2148	0.2148	2.0000e-005	0.0000	0.2153
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.8000e-004	5.6000e-004	6.2700e-003	2.0000e-005	3.3700e-003	2.0000e-005	3.3900e-003	8.9000e-004	2.0000e-005	9.1000e-004	0.0000	2.2060	2.2060	5.0000e-005	0.0000	2.2072
Total	9.9000e-004	1.0000e-003	6.4700e-003	2.0000e-005	3.7900e-003	2.0000e-005	3.8100e-003	9.9000e-004	2.0000e-005	1.0100e-003	0.0000	2.4208	2.4208	7.0000e-005	0.0000	2.4225

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3.2 Demolition - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.6000e-004	0.0000	2.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0380	0.2512	0.8444	1.6800e-003		0.0102	0.0102		9.8600e-003	9.8600e-003	0.0000	147.2332	147.2332	0.0416	0.0000	148.2719
Total	0.0380	0.2512	0.8444	1.6800e-003	2.6000e-004	0.0102	0.0105	4.0000e-005	9.8600e-003	9.9000e-003	0.0000	147.2332	147.2332	0.0416	0.0000	148.2719

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	4.4000e-004	2.0000e-004	0.0000	4.2000e-004	0.0000	4.2000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2148	0.2148	2.0000e-005	0.0000	0.2153
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.8000e-004	5.6000e-004	6.2700e-003	2.0000e-005	3.3700e-003	2.0000e-005	3.3900e-003	8.9000e-004	2.0000e-005	9.1000e-004	0.0000	2.2060	2.2060	5.0000e-005	0.0000	2.2072
Total	9.9000e-004	1.0000e-003	6.4700e-003	2.0000e-005	3.7900e-003	2.0000e-005	3.8100e-003	9.9000e-004	2.0000e-005	1.0100e-003	0.0000	2.4208	2.4208	7.0000e-005	0.0000	2.4225

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3.2 Demolition - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					6.2100e-003	0.0000	6.2100e-003	9.4000e-004	0.0000	9.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.7035	2.3591	5.4249	0.0166		0.0702	0.0702		0.0702	0.0702	0.0000	1,598.0202	1,598.0202	0.0560	0.0000	1,599.4210
Total	0.7035	2.3591	5.4249	0.0166	6.2100e-003	0.0702	0.0764	9.4000e-004	0.0702	0.0712	0.0000	1,598.0202	1,598.0202	0.0560	0.0000	1,599.4210

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3000e-004	3.9800e-003	1.8300e-003	2.0000e-005	5.3000e-004	1.0000e-005	5.3000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	1.9863	1.9863	1.9000e-004	0.0000	1.9911
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5600e-003	4.8600e-003	0.0551	2.2000e-004	0.0313	1.5000e-004	0.0314	8.3100e-003	1.4000e-004	8.4500e-003	0.0000	19.9739	19.9739	4.1000e-004	0.0000	19.9841
Total	8.6900e-003	8.8400e-003	0.0570	2.4000e-004	0.0318	1.6000e-004	0.0320	8.4500e-003	1.5000e-004	8.6000e-003	0.0000	21.9602	21.9602	6.0000e-004	0.0000	21.9751

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3.2 Demolition - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.4200e-003	0.0000	2.4200e-003	3.7000e-004	0.0000	3.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3474	1.8348	7.9133	0.0166		0.0479	0.0479		0.0479	0.0479	0.0000	1,598.0183	1,598.0183	0.0560	0.0000	1,599.4191
Total	0.3474	1.8348	7.9133	0.0166	2.4200e-003	0.0479	0.0503	3.7000e-004	0.0479	0.0483	0.0000	1,598.0183	1,598.0183	0.0560	0.0000	1,599.4191

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3000e-004	3.9800e-003	1.8300e-003	2.0000e-005	5.3000e-004	1.0000e-005	5.3000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	1.9863	1.9863	1.9000e-004	0.0000	1.9911
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5600e-003	4.8600e-003	0.0551	2.2000e-004	0.0313	1.5000e-004	0.0314	8.3100e-003	1.4000e-004	8.4500e-003	0.0000	19.9739	19.9739	4.1000e-004	0.0000	19.9841
Total	8.6900e-003	8.8400e-003	0.0570	2.4000e-004	0.0318	1.6000e-004	0.0320	8.4500e-003	1.5000e-004	8.6000e-003	0.0000	21.9602	21.9602	6.0000e-004	0.0000	21.9751

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Commercial	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
User Defined Commercial	9.50	7.30	7.30	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
User Defined Commercial	0.616959	0.036973	0.177286	0.097384	0.011879	0.005277	0.017820	0.025678	0.001933	0.001668	0.005594	0.000788	0.000761

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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			
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	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

7.0 Water Detail

7.1 Mitigation Measures Water

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	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			
User Defined Commercial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Commercial	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

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Commercial	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			
User Defined Commercial	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
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Summer

**Scripps Mercy Demo of Emerg Dept Ambulance
San Diego Air Basin, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	0.00	User Defined Unit	0.32	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2031
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage defined as ED Bldg sqft

Construction Phase - ED Demo project from Dec 2029 through Sept 2030, as shown in the phasing schedule

Off-road Equipment - Demolition equipment as defined by the project.

Demolition -

Trips and VMT - Default trips and VMT

Construction Off-road Equipment Mitigation - Tier 4 engines will be implemented for clean fleet construction equipment, over 200 hp. Watering 3x per day.

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Summer

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	216.00
tblConstructionPhase	PhaseEndDate	12/14/2029	9/30/2030
tblLandUse	LotAcreage	0.00	0.32
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.29	0.29
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.34	0.34
tblOffRoadEquipment	OffRoadEquipmentType		Crushing/Proc. Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Other General Industrial Equipment
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblTripsAndVMT	WorkerTripNumber	43.00	40.00

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Summer

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					
2029	6.5794	45.8033	57.6241	0.1629	0.4332	1.8043	2.2375	0.1070	1.6896	1.7966	0.0000	15,723.8180	15,723.8180	4.3690	0.0000	15,833.0420
2030	7.3029	24.2809	56.2645	0.1730	0.3978	0.7220	1.1197	0.0983	0.7218	0.8201	0.0000	18,327.6257	18,327.6257	0.6404	0.0000	18,343.6364
Maximum	7.3029	45.8033	57.6241	0.1730	0.4332	1.8043	2.2375	0.1070	1.6896	1.7966	0.0000	18,327.6257	18,327.6257	4.3690	0.0000	18,343.6364

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					
2029	3.7077	24.0137	81.0757	0.1629	0.3943	0.9737	1.3680	0.1011	0.9404	1.0415	0.0000	15,723.8180	15,723.8180	4.3690	0.0000	15,833.0420
2030	3.6514	18.9044	81.7863	0.1730	0.3589	0.4931	0.8520	0.0924	0.4929	0.5853	0.0000	18,327.6257	18,327.6257	0.6404	0.0000	18,343.6364
Maximum	3.7077	24.0137	81.7863	0.1730	0.3943	0.9737	1.3680	0.1011	0.9404	1.0415	0.0000	18,327.6257	18,327.6257	4.3690	0.0000	18,343.6364

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	46.99	38.76	-43.00	0.00	9.35	41.94	33.87	5.73	40.56	37.83	0.00	0.00	0.00	0.00	0.00	0.00

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Summer

2.2 Overall Operational
Unmitigated Operational

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

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/3/2029	9/30/2030	5	216	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Crushing/Proc. Equipment	1	10.00	85	0.78
Demolition	Excavators	1	10.00	158	0.38
Demolition	Concrete/Industrial Saws	2	10.00	81	0.73
Demolition	Rubber Tired Loaders	1	10.00	203	0.36
Demolition	Cranes	1	10.00	231	0.29
Demolition	Off-Highway Trucks	6	10.00	402	0.38
Demolition	Other General Industrial Equipment	3	10.00	88	0.34
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	10.00	97	0.37

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Summer

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	17	40.00	0.00	63.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					0.0637	0.0000	0.0637	9.6400e-003	0.0000	9.6400e-003			0.0000			0.0000
Off-Road	6.4856	45.7139	56.9668	0.1602		1.8026	1.8026		1.6880	1.6880		15,456.8568	15,456.8568	4.3617		15,565.8992
Total	6.4856	45.7139	56.9668	0.1602	0.0637	1.8026	1.8662	9.6400e-003	1.6880	1.6977		15,456.8568	15,456.8568	4.3617		15,565.8992

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Summer

3.2 Demolition - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3400e-003	0.0410	0.0183	2.0000e-004	0.0409	8.0000e-005	0.0410	0.0102	7.0000e-005	0.0103		22.7047	22.7047	2.1200e-003		22.7576
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0924	0.0484	0.6389	2.4500e-003	0.3286	1.6600e-003	0.3303	0.0872	1.5300e-003	0.0887		244.2565	244.2565	5.1500e-003		244.3852
Total	0.0938	0.0893	0.6573	2.6500e-003	0.3695	1.7400e-003	0.3712	0.0974	1.6000e-003	0.0989		266.9612	266.9612	7.2700e-003		267.1428

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0248	0.0000	0.0248	3.7600e-003	0.0000	3.7600e-003			0.0000			0.0000
Off-Road	3.6139	23.9244	80.4184	0.1602		0.9720	0.9720		0.9388	0.9388	0.0000	15,456.8568	15,456.8568	4.3617		15,565.8992
Total	3.6139	23.9244	80.4184	0.1602	0.0248	0.9720	0.9968	3.7600e-003	0.9388	0.9426	0.0000	15,456.8568	15,456.8568	4.3617		15,565.8992

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Summer

3.2 Demolition - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3400e-003	0.0410	0.0183	2.0000e-004	0.0409	8.0000e-005	0.0410	0.0102	7.0000e-005	0.0103		22.7047	22.7047	2.1200e-003		22.7576
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0924	0.0484	0.6389	2.4500e-003	0.3286	1.6600e-003	0.3303	0.0872	1.5300e-003	0.0887		244.2565	244.2565	5.1500e-003		244.3852
Total	0.0938	0.0893	0.6573	2.6500e-003	0.3695	1.7400e-003	0.3712	0.0974	1.6000e-003	0.0989		266.9612	266.9612	7.2700e-003		267.1428

3.2 Demolition - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0637	0.0000	0.0637	9.6400e-003	0.0000	9.6400e-003			0.0000			0.0000
Off-Road	7.2150	24.1954	55.6401	0.1704		0.7204	0.7204		0.7204	0.7204		18,066.8286	18,066.8286	0.6335		18,082.6648
Total	7.2150	24.1954	55.6401	0.1704	0.0637	0.7204	0.7840	9.6400e-003	0.7204	0.7300		18,066.8286	18,066.8286	0.6335		18,082.6648

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Summer

3.2 Demolition - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3300e-003	0.0403	0.0185	2.0000e-004	5.5100e-003	7.0000e-005	5.5900e-003	1.5000e-003	7.0000e-005	1.5700e-003		22.6159	22.6159	2.1200e-003		22.6690
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0866	0.0453	0.6059	2.3900e-003	0.3286	1.5400e-003	0.3301	0.0872	1.4200e-003	0.0886		238.1812	238.1812	4.8600e-003		238.3027
Total	0.0879	0.0856	0.6243	2.5900e-003	0.3341	1.6100e-003	0.3357	0.0887	1.4900e-003	0.0901		260.7972	260.7972	6.9800e-003		260.9717

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	lb/day										lb/day					
Fugitive Dust					0.0248	0.0000	0.0248	3.7600e-003	0.0000	3.7600e-003			0.0000			0.0000
Off-Road	3.5635	18.8189	81.1619	0.1704		0.4914	0.4914		0.4914	0.4914	0.0000	18,066.8285	18,066.8285	0.6335		18,082.6648
Total	3.5635	18.8189	81.1619	0.1704	0.0248	0.4914	0.5163	3.7600e-003	0.4914	0.4952	0.0000	18,066.8285	18,066.8285	0.6335		18,082.6648

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Summer

3.2 Demolition - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3300e-003	0.0403	0.0185	2.0000e-004	5.5100e-003	7.0000e-005	5.5900e-003	1.5000e-003	7.0000e-005	1.5700e-003		22.6159	22.6159	2.1200e-003		22.6690
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0866	0.0453	0.6059	2.3900e-003	0.3286	1.5400e-003	0.3301	0.0872	1.4200e-003	0.0886		238.1812	238.1812	4.8600e-003		238.3027
Total	0.0879	0.0856	0.6243	2.5900e-003	0.3341	1.6100e-003	0.3357	0.0887	1.4900e-003	0.0901		260.7972	260.7972	6.9800e-003		260.9717

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	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
User Defined Commercial	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
User Defined Commercial	9.50	7.30	7.30	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
User Defined Commercial	0.616959	0.036973	0.177286	0.097384	0.011879	0.005277	0.017820	0.025678	0.001933	0.001668	0.005594	0.000788	0.000761

5.0 Energy Detail

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Summer

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					
User Defined Commercial	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

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

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

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	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

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	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

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Summer

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

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Winter

**Scripps Mercy Demo of Emerg Dept Ambulance
San Diego Air Basin, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	0.00	User Defined Unit	0.32	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2031
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage defined as ED Bldg sqft

Construction Phase - ED Demo project from Dec 2029 through Sept 2030, as shown in the phasing schedule

Off-road Equipment - Demolition equipment as defined by the project.

Demolition -

Trips and VMT - Default trips and VMT

Construction Off-road Equipment Mitigation - Tier 4 engines will be implemented for clean fleet construction equipment, over 200 hp. Watering 3x per day.

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Winter

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	216.00
tblConstructionPhase	PhaseEndDate	12/14/2029	9/30/2030
tblLandUse	LotAcreage	0.00	0.32
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.29	0.29
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.34	0.34
tblOffRoadEquipment	OffRoadEquipmentType		Crushing/Proc. Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Other General Industrial Equipment
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblTripsAndVMT	WorkerTripNumber	43.00	40.00

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Winter

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					
2029	6.5939	45.8092	57.5797	0.1627	0.4332	1.8043	2.2375	0.1070	1.6896	1.7966	0.0000	15,708.4829	15,708.4829	4.3687	0.0000	15,817.6999
2030	7.3166	24.2865	56.2217	0.1729	0.3978	0.7220	1.1197	0.0983	0.7218	0.8201	0.0000	18,312.6486	18,312.6486	0.6402	0.0000	18,328.6527
Maximum	7.3166	45.8092	57.5797	0.1729	0.4332	1.8043	2.2375	0.1070	1.6896	1.7966	0.0000	18,312.6486	18,312.6486	4.3687	0.0000	18,328.6527

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					
2029	3.7221	24.0196	81.0314	0.1627	0.3943	0.9737	1.3680	0.1011	0.9404	1.0415	0.0000	15,708.4829	15,708.4829	4.3687	0.0000	15,817.6999
2030	3.6651	18.9100	81.7435	0.1729	0.3589	0.4931	0.8520	0.0924	0.4929	0.5853	0.0000	18,312.6486	18,312.6486	0.6402	0.0000	18,328.6527
Maximum	3.7221	24.0196	81.7435	0.1729	0.3943	0.9737	1.3680	0.1011	0.9404	1.0415	0.0000	18,312.6486	18,312.6486	4.3687	0.0000	18,328.6527

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	46.89	38.76	-43.03	0.00	9.35	41.94	33.87	5.73	40.56	37.83	0.00	0.00	0.00	0.00	0.00	0.00

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Winter

2.2 Overall Operational
Unmitigated Operational

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

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/3/2029	9/30/2030	5	216	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Crushing/Proc. Equipment	1	10.00	85	0.78
Demolition	Excavators	1	10.00	158	0.38
Demolition	Concrete/Industrial Saws	2	10.00	81	0.73
Demolition	Rubber Tired Loaders	1	10.00	203	0.36
Demolition	Cranes	1	10.00	231	0.29
Demolition	Off-Highway Trucks	6	10.00	402	0.38
Demolition	Other General Industrial Equipment	3	10.00	88	0.34
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	10.00	97	0.37

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Winter

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	17	40.00	0.00	63.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					0.0637	0.0000	0.0637	9.6400e-003	0.0000	9.6400e-003			0.0000			0.0000
Off-Road	6.4856	45.7139	56.9668	0.1602		1.8026	1.8026		1.6880	1.6880		15,456.8568	15,456.8568	4.3617		15,565.8992
Total	6.4856	45.7139	56.9668	0.1602	0.0637	1.8026	1.8662	9.6400e-003	1.6880	1.6977		15,456.8568	15,456.8568	4.3617		15,565.8992

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Winter

3.2 Demolition - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3800e-003	0.0411	0.0190	2.0000e-004	0.0409	8.0000e-005	0.0410	0.0102	7.0000e-005	0.0103		22.3230	22.3230	2.1600e-003		22.3770
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1069	0.0542	0.5939	2.3000e-003	0.3286	1.6600e-003	0.3303	0.0872	1.5300e-003	0.0887		229.3031	229.3031	4.8200e-003		229.4237
Total	0.1083	0.0953	0.6129	2.5000e-003	0.3695	1.7400e-003	0.3712	0.0974	1.6000e-003	0.0989		251.6261	251.6261	6.9800e-003		251.8007

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0248	0.0000	0.0248	3.7600e-003	0.0000	3.7600e-003			0.0000			0.0000
Off-Road	3.6139	23.9244	80.4184	0.1602		0.9720	0.9720		0.9388	0.9388	0.0000	15,456.8568	15,456.8568	4.3617		15,565.8992
Total	3.6139	23.9244	80.4184	0.1602	0.0248	0.9720	0.9968	3.7600e-003	0.9388	0.9426	0.0000	15,456.8568	15,456.8568	4.3617		15,565.8992

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Winter

3.2 Demolition - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3800e-003	0.0411	0.0190	2.0000e-004	0.0409	8.0000e-005	0.0410	0.0102	7.0000e-005	0.0103		22.3230	22.3230	2.1600e-003		22.3770
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1069	0.0542	0.5939	2.3000e-003	0.3286	1.6600e-003	0.3303	0.0872	1.5300e-003	0.0887		229.3031	229.3031	4.8200e-003		229.4237
Total	0.1083	0.0953	0.6129	2.5000e-003	0.3695	1.7400e-003	0.3712	0.0974	1.6000e-003	0.0989		251.6261	251.6261	6.9800e-003		251.8007

3.2 Demolition - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0637	0.0000	0.0637	9.6400e-003	0.0000	9.6400e-003			0.0000			0.0000
Off-Road	7.2150	24.1954	55.6401	0.1704		0.7204	0.7204		0.7204	0.7204		18,066.8286	18,066.8286	0.6335		18,082.6648
Total	7.2150	24.1954	55.6401	0.1704	0.0637	0.7204	0.7840	9.6400e-003	0.7204	0.7300		18,066.8286	18,066.8286	0.6335		18,082.6648

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Winter

3.2 Demolition - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3700e-003	0.0404	0.0192	2.0000e-004	5.5100e-003	8.0000e-005	5.5900e-003	1.5000e-003	7.0000e-005	1.5700e-003		22.2371	22.2371	2.1600e-003		22.2913
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1002	0.0507	0.5624	2.2400e-003	0.3286	1.5400e-003	0.3301	0.0872	1.4200e-003	0.0886		223.5829	223.5829	4.5500e-003		223.6966
Total	0.1016	0.0911	0.5816	2.4400e-003	0.3341	1.6200e-003	0.3357	0.0887	1.4900e-003	0.0901		245.8201	245.8201	6.7100e-003		245.9879

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0248	0.0000	0.0248	3.7600e-003	0.0000	3.7600e-003			0.0000			0.0000
Off-Road	3.5635	18.8189	81.1619	0.1704		0.4914	0.4914		0.4914	0.4914	0.0000	18,066.8285	18,066.8285	0.6335		18,082.6648
Total	3.5635	18.8189	81.1619	0.1704	0.0248	0.4914	0.5163	3.7600e-003	0.4914	0.4952	0.0000	18,066.8285	18,066.8285	0.6335		18,082.6648

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Winter

3.2 Demolition - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3700e-003	0.0404	0.0192	2.0000e-004	5.5100e-003	8.0000e-005	5.5900e-003	1.5000e-003	7.0000e-005	1.5700e-003		22.2371	22.2371	2.1600e-003		22.2913
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1002	0.0507	0.5624	2.2400e-003	0.3286	1.5400e-003	0.3301	0.0872	1.4200e-003	0.0886		223.5829	223.5829	4.5500e-003		223.6966
Total	0.1016	0.0911	0.5816	2.4400e-003	0.3341	1.6200e-003	0.3357	0.0887	1.4900e-003	0.0901		245.8201	245.8201	6.7100e-003		245.9879

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	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
User Defined Commercial	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
User Defined Commercial	9.50	7.30	7.30	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
User Defined Commercial	0.616959	0.036973	0.177286	0.097384	0.011879	0.005277	0.017820	0.025678	0.001933	0.001668	0.005594	0.000788	0.000761

5.0 Energy Detail

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Winter

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					
User Defined Commercial	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

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
User Defined Commercial	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

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	0.0000	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

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Winter

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	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

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	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

Scripps Mercy Demo of Emerg Dept Ambulance - San Diego Air Basin, Winter

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

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**Scripps Mercy Building Demolition
San Diego Air Basin, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	867,899.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2030
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use - Land use is required, but this model run is to calculate construction emissions from demolition. Lot acreage is based on total sqft being demo'd.

Construction Phase - Demolition will include Facility Bldg, Gen/CT Bldg, BHC/Hosp Bldg, 550 WA Bldg and Parking, Mercy Manor/Parking 4.1

Off-road Equipment - Equipment based on 550 Demo equipment list.

Off-road Equipment - Equipment based on BHU Demo equipment list.

Demolition - Total sqft of Fac Bldg, Gen Bldg/CT, BHC Bldg, Hospital Bldg, 550 WA Bldg, 550 Parking, Mercy Manor, Parking 4.1 (divided evenly between the two demo projects)

Trips and VMT - Total vendor trips adjusted to allow 3 watering trucks per day for each location. Total hauling trips adjusted to allow C&D waste to be exported from facility.

Area Coating -

Construction Off-road Equipment Mitigation - Tier 4 engines will be implemented for clean fleet construction equipment, over 200 hp. Watering 3x per day.

Area Mitigation -

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10,000.00	195.00
tblConstructionPhase	NumDays	10,000.00	195.00
tblConstructionPhase	PhaseEndDate	2/28/2062	7/30/2024
tblLandUse	LotAcreage	0.00	867,899.00
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.29	0.29
tblOffRoadEquipment	LoadFactor	0.38	0.38

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tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.34	0.34
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Other General Industrial Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Other General Industrial Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblTripsAndVMT	HaulingTripNumber	1,974.00	5,297.00
tblTripsAndVMT	HaulingTripNumber	1,974.00	5,297.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00

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2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.3266	2.6749	2.7039	8.1900e-003	0.1848	0.1051	0.2899	0.0373	0.0986	0.1359	0.0000	727.1625	727.1625	0.1866	0.0000	731.8276
2024	1.1139	8.8067	9.4878	0.0289	0.4807	0.3338	0.8145	0.0896	0.3127	0.4023	0.0000	2,567.2296	2,567.2296	0.6590	0.0000	2,583.7055
Maximum	1.1139	8.8067	9.4878	0.0289	0.4807	0.3338	0.8145	0.0896	0.3127	0.4023	0.0000	2,567.2296	2,567.2296	0.6590	0.0000	2,583.7055

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					
2023	0.2009	1.5598	3.5980	8.1900e-003	0.1267	0.0623	0.1890	0.0285	0.0598	0.0883	0.0000	727.1618	727.1618	0.1866	0.0000	731.8268
2024	0.6812	5.1986	12.7034	0.0289	0.2750	0.1957	0.4707	0.0585	0.1878	0.2462	0.0000	2,567.2269	2,567.2269	0.6590	0.0000	2,583.7028
Maximum	0.6812	5.1986	12.7034	0.0289	0.2750	0.1957	0.4707	0.0585	0.1878	0.2462	0.0000	2,567.2269	2,567.2269	0.6590	0.0000	2,583.7028

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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	38.76	41.14	-33.71	0.00	39.64	41.22	40.27	31.48	39.81	37.84	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	11-1-2023	1-31-2024	4.4848	2.6390
2	2-1-2024	4-30-2024	4.1931	2.4841
3	5-1-2024	7-31-2024	4.2376	2.5097
		Highest	4.4848	2.6390

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	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
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	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	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	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
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	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	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	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

	ROG	NOx	CO	SO2	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 550 WA	Demolition	11/1/2023	7/30/2024	5	195	
2	Demolition BHU	Demolition	11/1/2023	7/30/2024	5	195	

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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition 550 WA	Air Compressors	1	10.00	78	0.48
Demolition 550 WA	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Demolition 550 WA	Cranes	1	10.00	231	0.29
Demolition 550 WA	Off-Highway Trucks	6	10.00	402	0.38
Demolition 550 WA	Excavators	1	10.00	158	0.38
Demolition 550 WA	Concrete/Industrial Saws	2	10.00	81	0.73
Demolition 550 WA	Other General Industrial Equipment	3	10.00	88	0.34
Demolition BHU	Air Compressors	2	10.00	78	0.48
Demolition BHU	Rubber Tired Loaders	1	10.00	203	0.36
Demolition BHU	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Demolition BHU	Cranes	1	10.00	231	0.29
Demolition BHU	Off-Highway Trucks	6	10.00	402	0.38
Demolition BHU	Bore/Drill Rigs	1	10.00	221	0.50
Demolition BHU	Excavators	1	10.00	158	0.38
Demolition BHU	Welders	1	10.00	46	0.45
Demolition BHU	Concrete/Industrial Saws	2	10.00	81	0.73
Demolition BHU	Other General Industrial Equipment	4	10.00	88	0.34
Demolition 550 WA	Rubber Tired Loaders	1	10.00	203	0.36

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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 550 WA	16	40.00	3.00	5,297.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition BHU	20	50.00	3.00	5,297.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition 550 WA - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0477	0.0000	0.0477	7.2200e-003	0.0000	7.2200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1450	1.1425	1.1845	3.3300e-003		0.0482	0.0482		0.0451	0.0451	0.0000	291.4229	291.4229	0.0839	0.0000	293.5209
Total	0.1450	1.1425	1.1845	3.3300e-003	0.0477	0.0482	0.0958	7.2200e-003	0.0451	0.0523	0.0000	291.4229	291.4229	0.0839	0.0000	293.5209

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3.2 Demolition 550 WA - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.9400e-003	0.0958	0.0350	4.2000e-004	0.0365	1.8000e-004	0.0367	9.2600e-003	1.7000e-004	9.4300e-003	0.0000	42.4088	42.4088	3.7900e-003	0.0000	42.5037
Vendor	1.4000e-004	4.9200e-003	1.5200e-003	2.0000e-005	4.3000e-004	1.0000e-005	4.3000e-004	1.2000e-004	1.0000e-005	1.3000e-004	0.0000	1.6283	1.6283	1.1000e-004	0.0000	1.6310
Worker	2.6800e-003	1.7800e-003	0.0185	6.0000e-005	6.9000e-003	5.0000e-005	6.9400e-003	1.8300e-003	4.0000e-005	1.8800e-003	0.0000	5.5820	5.5820	1.4000e-004	0.0000	5.5856
Total	5.7600e-003	0.1025	0.0550	5.0000e-004	0.0439	2.4000e-004	0.0441	0.0112	2.2000e-004	0.0114	0.0000	49.6191	49.6191	4.0400e-003	0.0000	49.7203

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0186	0.0000	0.0186	2.8200e-003	0.0000	2.8200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0823	0.5858	1.6306	3.3300e-003		0.0268	0.0268		0.0257	0.0257	0.0000	291.4226	291.4226	0.0839	0.0000	293.5205
Total	0.0823	0.5858	1.6306	3.3300e-003	0.0186	0.0268	0.0454	2.8200e-003	0.0257	0.0285	0.0000	291.4226	291.4226	0.0839	0.0000	293.5205

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3.2 Demolition 550 WA - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.9400e-003	0.0958	0.0350	4.2000e-004	0.0365	1.8000e-004	0.0367	9.2600e-003	1.7000e-004	9.4300e-003	0.0000	42.4088	42.4088	3.7900e-003	0.0000	42.5037
Vendor	1.4000e-004	4.9200e-003	1.5200e-003	2.0000e-005	4.3000e-004	1.0000e-005	4.3000e-004	1.2000e-004	1.0000e-005	1.3000e-004	0.0000	1.6283	1.6283	1.1000e-004	0.0000	1.6310
Worker	2.6800e-003	1.7800e-003	0.0185	6.0000e-005	6.9000e-003	5.0000e-005	6.9400e-003	1.8300e-003	4.0000e-005	1.8800e-003	0.0000	5.5820	5.5820	1.4000e-004	0.0000	5.5856
Total	5.7600e-003	0.1025	0.0550	5.0000e-004	0.0439	2.4000e-004	0.0441	0.0112	2.2000e-004	0.0114	0.0000	49.6191	49.6191	4.0400e-003	0.0000	49.7203

3.2 Demolition 550 WA - 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					
Fugitive Dust					0.1686	0.0000	0.1686	0.0255	0.0000	0.0255	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4954	3.7432	4.1567	0.0118		0.1531	0.1531		0.1432	0.1432	0.0000	1,030.4099	1,030.4099	0.2964	0.0000	1,037.8207
Total	0.4954	3.7432	4.1567	0.0118	0.1686	0.1531	0.3217	0.0255	0.1432	0.1687	0.0000	1,030.4099	1,030.4099	0.2964	0.0000	1,037.8207

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3.2 Demolition 550 WA - 2024
Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0102	0.3301	0.1248	1.4800e-003	0.0428	6.1000e-004	0.0435	0.0116	5.9000e-004	0.0121	0.0000	148.8689	148.8689	0.0135	0.0000	149.2057
Vendor	4.9000e-004	0.0171	5.2200e-003	6.0000e-005	1.5100e-003	2.0000e-005	1.5300e-003	4.4000e-004	2.0000e-005	4.6000e-004	0.0000	5.7192	5.7192	3.9000e-004	0.0000	5.7288
Worker	9.0100e-003	5.7600e-003	0.0611	2.1000e-004	0.0244	1.6000e-004	0.0245	6.4800e-003	1.5000e-004	6.6300e-003	0.0000	18.9548	18.9548	4.7000e-004	0.0000	18.9665
Total	0.0197	0.3530	0.1911	1.7500e-003	0.0687	7.9000e-004	0.0695	0.0185	7.6000e-004	0.0192	0.0000	173.5428	173.5428	0.0143	0.0000	173.9010

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0657	0.0000	0.0657	9.9600e-003	0.0000	9.9600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2795	1.9419	5.7610	0.0118		0.0842	0.0842		0.0808	0.0808	0.0000	1,030.4087	1,030.4087	0.2964	0.0000	1,037.8195
Total	0.2795	1.9419	5.7610	0.0118	0.0657	0.0842	0.1499	9.9600e-003	0.0808	0.0907	0.0000	1,030.4087	1,030.4087	0.2964	0.0000	1,037.8195

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3.2 Demolition 550 WA - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0102	0.3301	0.1248	1.4800e-003	0.0428	6.1000e-004	0.0435	0.0116	5.9000e-004	0.0121	0.0000	148.8689	148.8689	0.0135	0.0000	149.2057
Vendor	4.9000e-004	0.0171	5.2200e-003	6.0000e-005	1.5100e-003	2.0000e-005	1.5300e-003	4.4000e-004	2.0000e-005	4.6000e-004	0.0000	5.7192	5.7192	3.9000e-004	0.0000	5.7288
Worker	9.0100e-003	5.7600e-003	0.0611	2.1000e-004	0.0244	1.6000e-004	0.0245	6.4800e-003	1.5000e-004	6.6300e-003	0.0000	18.9548	18.9548	4.7000e-004	0.0000	18.9665
Total	0.0197	0.3530	0.1911	1.7500e-003	0.0687	7.9000e-004	0.0695	0.0185	7.6000e-004	0.0192	0.0000	173.5428	173.5428	0.0143	0.0000	173.9010

3.3 Demolition BHU - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0477	0.0000	0.0477	7.2200e-003	0.0000	7.2200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1694	1.3270	1.4047	3.8400e-003		0.0565	0.0565		0.0530	0.0530	0.0000	335.1060	335.1060	0.0946	0.0000	337.4697
Total	0.1694	1.3270	1.4047	3.8400e-003	0.0477	0.0565	0.1042	7.2200e-003	0.0530	0.0603	0.0000	335.1060	335.1060	0.0946	0.0000	337.4697

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3.3 Demolition BHU - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.9400e-003	0.0958	0.0350	4.2000e-004	0.0365	1.8000e-004	0.0367	9.2600e-003	1.7000e-004	9.4300e-003	0.0000	42.4088	42.4088	3.7900e-003	0.0000	42.5037
Vendor	1.4000e-004	4.9200e-003	1.5200e-003	2.0000e-005	4.3000e-004	1.0000e-005	4.3000e-004	1.2000e-004	1.0000e-005	1.3000e-004	0.0000	1.6283	1.6283	1.1000e-004	0.0000	1.6310
Worker	3.3500e-003	2.2200e-003	0.0231	8.0000e-005	8.6200e-003	6.0000e-005	8.6800e-003	2.2900e-003	5.0000e-005	2.3400e-003	0.0000	6.9775	6.9775	1.8000e-004	0.0000	6.9820
Total	6.4300e-003	0.1030	0.0596	5.2000e-004	0.0456	2.5000e-004	0.0458	0.0117	2.3000e-004	0.0119	0.0000	51.0146	51.0146	4.0800e-003	0.0000	51.1167

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0186	0.0000	0.0186	2.8200e-003	0.0000	2.8200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1064	0.7686	1.8528	3.8400e-003		0.0351	0.0351		0.0336	0.0336	0.0000	335.1056	335.1056	0.0946	0.0000	337.4693
Total	0.1064	0.7686	1.8528	3.8400e-003	0.0186	0.0351	0.0537	2.8200e-003	0.0336	0.0365	0.0000	335.1056	335.1056	0.0946	0.0000	337.4693

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3.3 Demolition BHU - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.9400e-003	0.0958	0.0350	4.2000e-004	0.0365	1.8000e-004	0.0367	9.2600e-003	1.7000e-004	9.4300e-003	0.0000	42.4088	42.4088	3.7900e-003	0.0000	42.5037
Vendor	1.4000e-004	4.9200e-003	1.5200e-003	2.0000e-005	4.3000e-004	1.0000e-005	4.3000e-004	1.2000e-004	1.0000e-005	1.3000e-004	0.0000	1.6283	1.6283	1.1000e-004	0.0000	1.6310
Worker	3.3500e-003	2.2200e-003	0.0231	8.0000e-005	8.6200e-003	6.0000e-005	8.6800e-003	2.2900e-003	5.0000e-005	2.3400e-003	0.0000	6.9775	6.9775	1.8000e-004	0.0000	6.9820
Total	6.4300e-003	0.1030	0.0596	5.2000e-004	0.0456	2.5000e-004	0.0458	0.0117	2.3000e-004	0.0119	0.0000	51.0146	51.0146	4.0800e-003	0.0000	51.1167

3.3 Demolition BHU - 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					
Fugitive Dust					0.1686	0.0000	0.1686	0.0255	0.0000	0.0255	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5767	4.3561	4.9336	0.0136		0.1791	0.1791		0.1680	0.1680	0.0000	1,184.9954	1,184.9954	0.3338	0.0000	1,193.3411
Total	0.5767	4.3561	4.9336	0.0136	0.1686	0.1791	0.3476	0.0255	0.1680	0.1935	0.0000	1,184.9954	1,184.9954	0.3338	0.0000	1,193.3411

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3.3 Demolition BHU - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0102	0.3301	0.1248	1.4800e-003	0.0428	6.1000e-004	0.0435	0.0116	5.9000e-004	0.0121	0.0000	148.8689	148.8689	0.0135	0.0000	149.2057
Vendor	4.9000e-004	0.0171	5.2200e-003	6.0000e-005	1.5100e-003	2.0000e-005	1.5300e-003	4.4000e-004	2.0000e-005	4.6000e-004	0.0000	5.7192	5.7192	3.9000e-004	0.0000	5.7288
Worker	0.0113	7.2000e-003	0.0763	2.6000e-004	0.0305	2.0000e-004	0.0307	8.1000e-003	1.9000e-004	8.2800e-003	0.0000	23.6935	23.6935	5.9000e-004	0.0000	23.7082
Total	0.0220	0.3544	0.2064	1.8000e-003	0.0748	8.3000e-004	0.0757	0.0201	8.0000e-004	0.0209	0.0000	178.2815	178.2815	0.0145	0.0000	178.6426

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0657	0.0000	0.0657	9.9600e-003	0.0000	9.9600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3600	2.5493	6.5450	0.0136		0.1099	0.1099		0.1054	0.1054	0.0000	1,184.9940	1,184.9940	0.3338	0.0000	1,193.3397
Total	0.3600	2.5493	6.5450	0.0136	0.0657	0.1099	0.1756	9.9600e-003	0.1054	0.1154	0.0000	1,184.9940	1,184.9940	0.3338	0.0000	1,193.3397

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3.3 Demolition BHU - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0102	0.3301	0.1248	1.4800e-003	0.0428	6.1000e-004	0.0435	0.0116	5.9000e-004	0.0121	0.0000	148.8689	148.8689	0.0135	0.0000	149.2057
Vendor	4.9000e-004	0.0171	5.2200e-003	6.0000e-005	1.5100e-003	2.0000e-005	1.5300e-003	4.4000e-004	2.0000e-005	4.6000e-004	0.0000	5.7192	5.7192	3.9000e-004	0.0000	5.7288
Worker	0.0113	7.2000e-003	0.0763	2.6000e-004	0.0305	2.0000e-004	0.0307	8.1000e-003	1.9000e-004	8.2800e-003	0.0000	23.6935	23.6935	5.9000e-004	0.0000	23.7082
Total	0.0220	0.3544	0.2064	1.8000e-003	0.0748	8.3000e-004	0.0757	0.0201	8.0000e-004	0.0209	0.0000	178.2815	178.2815	0.0145	0.0000	178.6426

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Scripps Mercy Building Demolition - San Diego Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	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
User Defined Commercial	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
User Defined Commercial	9.50	7.30	7.30	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
User Defined Commercial	0.616428	0.037185	0.177402	0.097684	0.012090	0.005279	0.017663	0.025476	0.001931	0.001677	0.005617	0.000785	0.000782

5.0 Energy Detail

Scripps Mercy Building Demolition - San Diego Air Basin, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Scripps Mercy Building Demolition - San Diego Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Unmitigated	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

Scripps Mercy Building Demolition - San Diego Air Basin, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

7.0 Water Detail

7.1 Mitigation Measures Water

Scripps Mercy Building Demolition - San Diego Air Basin, Annual

	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			
User Defined Commercial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Scripps Mercy Building Demolition - San Diego Air Basin, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Commercial	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

Scripps Mercy Building Demolition - San Diego Air Basin, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Commercial	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			
User Defined Commercial	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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Scripps Mercy Building Demolition - San Diego Air Basin, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

User Defined Equipment

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

11.0 Vegetation

Scripps Mercy Building Demolition - San Diego Air Basin, Summer

Scripps Mercy Building Demolition
San Diego Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	867,899.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2030
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Scripps Mercy Building Demolition - San Diego Air Basin, Summer

Project Characteristics -

Land Use - Land use is required, but this model run is to calculate construction emissions from demolition. Lot acreage is based on total sqft being demo'd.

Construction Phase - Demolition will include Facility Bldg, Gen/CT Bldg, BHC/Hosp Bldg, 550 WA Bldg and Parking, Mercy Manor/Parking 4.1

Off-road Equipment - Equipment based on 550 Demo equipment list.

Off-road Equipment - Equipment based on BHU Demo equipment list.

Demolition - Total sqft of Fac Bldg, Gen Bldg/CT, BHC Bldg, Hospital Bldg, 550 WA Bldg, 550 Parking, Mercy Manor, Parking 4.1 (divided evenly between the two demo projects)

Trips and VMT - Total vendor trips adjusted to allow 3 watering trucks per day for each location. Total hauling trips adjusted to allow C&D waste to be exported from facility.

Area Coating -

Construction Off-road Equipment Mitigation - Tier 4 engines will be implemented for clean fleet construction equipment, over 200 hp. Watering 3x per day.

Area Mitigation -

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10,000.00	195.00
tblConstructionPhase	NumDays	10,000.00	195.00
tblConstructionPhase	PhaseEndDate	2/28/2062	7/30/2024
tblLandUse	LotAcreage	0.00	867,899.00
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.29	0.29
tblOffRoadEquipment	LoadFactor	0.38	0.38

Scripps Mercy Building Demolition - San Diego Air Basin, Summer

tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.34	0.34
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Other General Industrial Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Other General Industrial Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblTripsAndVMT	HaulingTripNumber	1,974.00	5,297.00
tblTripsAndVMT	HaulingTripNumber	1,974.00	5,297.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00

Scripps Mercy Building Demolition - San Diego Air Basin, Summer

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					
2023	15.1847	124.2655	125.8153	0.3814	8.7041	4.8887	13.5928	1.7629	4.5834	6.3463	0.0000	37,350.903 2	37,350.903 2	9.5632	0.0000	37,589.984 0
2024	14.6503	115.7383	124.8905	0.3809	6.3683	4.3919	10.7601	1.1896	4.1145	5.3041	0.0000	37,302.531 2	37,302.531 2	9.5550	0.0000	37,541.406 1
Maximum	15.1847	124.2655	125.8153	0.3814	8.7041	4.8887	13.5928	1.7629	4.5834	6.3463	0.0000	37,350.903 2	37,350.903 2	9.5632	0.0000	37,589.984 0

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					
2023	9.3397	72.4049	167.4022	0.3814	5.9983	2.8993	8.8976	1.3532	2.7810	4.1341	0.0000	37,350.903 2	37,350.903 2	9.5632	0.0000	37,589.984 0
2024	8.9571	68.2629	167.2017	0.3809	3.6624	2.5745	6.2369	0.7798	2.4703	3.2501	0.0000	37,302.531 2	37,302.531 2	9.5550	0.0000	37,541.406 1
Maximum	9.3397	72.4049	167.4022	0.3814	5.9983	2.8993	8.8976	1.3532	2.7810	4.1341	0.0000	37,350.903 2	37,350.903 2	9.5632	0.0000	37,589.984 0

Scripps Mercy Building Demolition - San Diego Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	38.67	41.39	-33.46	0.00	35.90	41.02	37.85	27.76	39.63	36.62	0.00	0.00	0.00	0.00	0.00	0.00

Scripps Mercy Building Demolition - San Diego Air Basin, Summer

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
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	1.0000e-005	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000	0.0000	2.3000e-004

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	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
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	1.0000e-005	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000	0.0000	2.3000e-004

Scripps Mercy Building Demolition - San Diego Air Basin, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition 550 WA	Demolition	11/1/2023	7/30/2024	5	195	
2	Demolition BHU	Demolition	11/1/2023	7/30/2024	5	195	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Scripps Mercy Building Demolition - San Diego Air Basin, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition 550 WA	Air Compressors	1	10.00	78	0.48
Demolition 550 WA	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Demolition 550 WA	Cranes	1	10.00	231	0.29
Demolition 550 WA	Off-Highway Trucks	6	10.00	402	0.38
Demolition 550 WA	Excavators	1	10.00	158	0.38
Demolition 550 WA	Concrete/Industrial Saws	2	10.00	81	0.73
Demolition 550 WA	Other General Industrial Equipment	3	10.00	88	0.34
Demolition BHU	Air Compressors	2	10.00	78	0.48
Demolition BHU	Rubber Tired Loaders	1	10.00	203	0.36
Demolition BHU	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Demolition BHU	Cranes	1	10.00	231	0.29
Demolition BHU	Off-Highway Trucks	6	10.00	402	0.38
Demolition BHU	Bore/Drill Rigs	1	10.00	221	0.50
Demolition BHU	Excavators	1	10.00	158	0.38
Demolition BHU	Welders	1	10.00	46	0.45
Demolition BHU	Concrete/Industrial Saws	2	10.00	81	0.73
Demolition BHU	Other General Industrial Equipment	4	10.00	88	0.34
Demolition 550 WA	Rubber Tired Loaders	1	10.00	203	0.36

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 550 WA	16	40.00	3.00	5,297.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition BHU	20	50.00	3.00	5,297.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Scripps Mercy Building Demolition - San Diego Air Basin, Summer

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition 550 WA - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2179	0.0000	2.2179	0.3359	0.0000	0.3359			0.0000			0.0000
Off-Road	6.7456	53.1373	55.0937	0.1548		2.2401	2.2401		2.0960	2.0960		14,941.339 1	14,941.339 1	4.3025		15,048.901 2
Total	6.7456	53.1373	55.0937	0.1548	2.2179	2.2401	4.4580	0.3359	2.0960	2.4318		14,941.339 1	14,941.339 1	4.3025		15,048.901 2

Scripps Mercy Building Demolition - San Diego Air Basin, Summer

3.2 Demolition 550 WA - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1354	4.3933	1.5950	0.0199	1.7442	8.1300e-003	1.7523	0.4417	7.7800e-003	0.4495		2,190.3410	2,190.3410	0.1923		2,195.1474
Vendor	6.5000e-003	0.2273	0.0675	7.8000e-004	0.0203	2.7000e-004	0.0206	5.8500e-003	2.6000e-004	6.1000e-003		84.3951	84.3951	5.5400e-003		84.5337
Worker	0.1239	0.0749	0.9164	3.0300e-003	0.3286	2.1800e-003	0.3308	0.0872	2.0000e-003	0.0892		301.8268	301.8268	7.8000e-003		302.0219
Total	0.2657	4.6955	2.5790	0.0237	2.0931	0.0106	2.1037	0.5347	0.0100	0.5447		2,576.5630	2,576.5630	0.2056		2,581.7029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.8650	0.0000	0.8650	0.1310	0.0000	0.1310			0.0000			0.0000
Off-Road	3.8283	27.2464	75.8408	0.1548		1.2468	1.2468		1.1960	1.1960	0.0000	14,941.3390	14,941.3390	4.3025		15,048.9012
Total	3.8283	27.2464	75.8408	0.1548	0.8650	1.2468	2.1118	0.1310	1.1960	1.3270	0.0000	14,941.3390	14,941.3390	4.3025		15,048.9012

Scripps Mercy Building Demolition - San Diego Air Basin, Summer

3.2 Demolition 550 WA - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1354	4.3933	1.5950	0.0199	1.7442	8.1300e-003	1.7523	0.4417	7.7800e-003	0.4495		2,190.3410	2,190.3410	0.1923		2,195.1474
Vendor	6.5000e-003	0.2273	0.0675	7.8000e-004	0.0203	2.7000e-004	0.0206	5.8500e-003	2.6000e-004	6.1000e-003		84.3951	84.3951	5.5400e-003		84.5337
Worker	0.1239	0.0749	0.9164	3.0300e-003	0.3286	2.1800e-003	0.3308	0.0872	2.0000e-003	0.0892		301.8268	301.8268	7.8000e-003		302.0219
Total	0.2657	4.6955	2.5790	0.0237	2.0931	0.0106	2.1037	0.5347	0.0100	0.5447		2,576.5630	2,576.5630	0.2056		2,581.7029

3.2 Demolition 550 WA - 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					
Fugitive Dust					2.2179	0.0000	2.2179	0.3359	0.0000	0.3359			0.0000			0.0000
Off-Road	6.5183	49.2527	54.6940	0.1548		2.0148	2.0148		1.8838	1.8838		14,945.1644	14,945.1644	4.2995		15,052.6511
Total	6.5183	49.2527	54.6940	0.1548	2.2179	2.0148	4.2327	0.3359	1.8838	2.2197		14,945.1644	14,945.1644	4.2995		15,052.6511

Scripps Mercy Building Demolition - San Diego Air Basin, Summer

3.2 Demolition 550 WA - 2024
Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1332	4.2827	1.6108	0.0197	0.5763	7.9500e-003	0.5842	0.1550	7.6100e-003	0.1626		2,175.0111	2,175.0111	0.1933		2,179.8426
Vendor	6.2800e-003	0.2241	0.0654	7.8000e-004	0.0203	2.6000e-004	0.0206	5.8500e-003	2.5000e-004	6.1000e-003		83.8523	83.8523	5.4800e-003		83.9893
Worker	0.1176	0.0687	0.8568	2.9100e-003	0.3286	2.1400e-003	0.3307	0.0872	1.9700e-003	0.0891		289.9348	289.9348	7.1700e-003		290.1142
Total	0.2571	4.5755	2.5331	0.0234	0.9252	0.0104	0.9355	0.2480	9.8300e-003	0.2579		2,548.7982	2,548.7982	0.2059		2,553.9461

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.8650	0.0000	0.8650	0.1310	0.0000	0.1310			0.0000			0.0000
Off-Road	3.6770	25.5512	75.8028	0.1548		1.1074	1.1074		1.0629	1.0629	0.0000	14,945.1644	14,945.1644	4.2995		15,052.6511
Total	3.6770	25.5512	75.8028	0.1548	0.8650	1.1074	1.9723	0.1310	1.0629	1.1939	0.0000	14,945.1644	14,945.1644	4.2995		15,052.6511

Scripps Mercy Building Demolition - San Diego Air Basin, Summer

3.2 Demolition 550 WA - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1332	4.2827	1.6108	0.0197	0.5763	7.9500e-003	0.5842	0.1550	7.6100e-003	0.1626		2,175.0111	2,175.0111	0.1933		2,179.8426
Vendor	6.2800e-003	0.2241	0.0654	7.8000e-004	0.0203	2.6000e-004	0.0206	5.8500e-003	2.5000e-004	6.1000e-003		83.8523	83.8523	5.4800e-003		83.9893
Worker	0.1176	0.0687	0.8568	2.9100e-003	0.3286	2.1400e-003	0.3307	0.0872	1.9700e-003	0.0891		289.9348	289.9348	7.1700e-003		290.1142
Total	0.2571	4.5755	2.5331	0.0234	0.9252	0.0104	0.9355	0.2480	9.8300e-003	0.2579		2,548.7982	2,548.7982	0.2059		2,553.9461

3.3 Demolition BHU - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2179	0.0000	2.2179	0.3359	0.0000	0.3359			0.0000			0.0000
Off-Road	7.8767	61.7186	65.3345	0.1786		2.6270	2.6270		2.4669	2.4669		17,180.9815	17,180.9815	4.8476		17,302.1715
Total	7.8767	61.7186	65.3345	0.1786	2.2179	2.6270	4.8449	0.3359	2.4669	2.8027		17,180.9815	17,180.9815	4.8476		17,302.1715

Scripps Mercy Building Demolition - San Diego Air Basin, Summer

3.3 Demolition BHU - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1354	4.3933	1.5950	0.0199	1.7442	8.1300e-003	1.7523	0.4417	7.7800e-003	0.4495		2,190.3410	2,190.3410	0.1923		2,195.1474
Vendor	6.5000e-003	0.2273	0.0675	7.8000e-004	0.0203	2.7000e-004	0.0206	5.8500e-003	2.6000e-004	6.1000e-003		84.3951	84.3951	5.5400e-003		84.5337
Worker	0.1548	0.0936	1.1455	3.7800e-003	0.4107	2.7200e-003	0.4135	0.1090	2.5100e-003	0.1115		377.2836	377.2836	9.7500e-003		377.5274
Total	0.2967	4.7142	2.8081	0.0244	2.1752	0.0111	2.1863	0.5565	0.0106	0.5670		2,652.0197	2,652.0197	0.2075		2,657.2084

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.8650	0.0000	0.8650	0.1310	0.0000	0.1310			0.0000			0.0000
Off-Road	4.9490	35.7489	86.1744	0.1786		1.6309	1.6309		1.5644	1.5644	0.0000	17,180.9815	17,180.9815	4.8476		17,302.1715
Total	4.9490	35.7489	86.1744	0.1786	0.8650	1.6309	2.4958	0.1310	1.5644	1.6954	0.0000	17,180.9815	17,180.9815	4.8476		17,302.1715

Scripps Mercy Building Demolition - San Diego Air Basin, Summer

3.3 Demolition BHU - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1354	4.3933	1.5950	0.0199	1.7442	8.1300e-003	1.7523	0.4417	7.7800e-003	0.4495		2,190.3410	2,190.3410	0.1923		2,195.1474
Vendor	6.5000e-003	0.2273	0.0675	7.8000e-004	0.0203	2.7000e-004	0.0206	5.8500e-003	2.6000e-004	6.1000e-003		84.3951	84.3951	5.5400e-003		84.5337
Worker	0.1548	0.0936	1.1455	3.7800e-003	0.4107	2.7200e-003	0.4135	0.1090	2.5100e-003	0.1115		377.2836	377.2836	9.7500e-003		377.5274
Total	0.2967	4.7142	2.8081	0.0244	2.1752	0.0111	2.1863	0.5565	0.0106	0.5670		2,652.0197	2,652.0197	0.2075		2,657.2084

3.3 Demolition BHU - 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					
Fugitive Dust					2.2179	0.0000	2.2179	0.3359	0.0000	0.3359			0.0000			0.0000
Off-Road	7.5884	57.3175	64.9162	0.1786		2.3559	2.3559		2.2105	2.2105		17,187.2867	17,187.2867	4.8419		17,308.3344
Total	7.5884	57.3175	64.9162	0.1786	2.2179	2.3559	4.5738	0.3359	2.2105	2.5464		17,187.2867	17,187.2867	4.8419		17,308.3344

Scripps Mercy Building Demolition - San Diego Air Basin, Summer

3.3 Demolition BHU - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1332	4.2827	1.6108	0.0197	0.5763	7.9500e-003	0.5842	0.1550	7.6100e-003	0.1626		2,175.0111	2,175.0111	0.1933		2,179.8426
Vendor	6.2800e-003	0.2241	0.0654	7.8000e-004	0.0203	2.6000e-004	0.0206	5.8500e-003	2.5000e-004	6.1000e-003		83.8523	83.8523	5.4800e-003		83.9893
Worker	0.1470	0.0858	1.0710	3.6300e-003	0.4107	2.6700e-003	0.4134	0.1090	2.4600e-003	0.1114		362.4186	362.4186	8.9700e-003		362.6427
Total	0.2865	4.5927	2.7473	0.0241	1.0073	0.0109	1.0182	0.2698	0.0103	0.2801		2,621.2819	2,621.2819	0.2077		2,626.4746

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.8650	0.0000	0.8650	0.1310	0.0000	0.1310			0.0000			0.0000
Off-Road	4.7366	33.5436	86.1186	0.1786		1.4459	1.4459		1.3872	1.3872	0.0000	17,187.2866	17,187.2866	4.8419		17,308.3343
Total	4.7366	33.5436	86.1186	0.1786	0.8650	1.4459	2.3109	0.1310	1.3872	1.5182	0.0000	17,187.2866	17,187.2866	4.8419		17,308.3343

Scripps Mercy Building Demolition - San Diego Air Basin, Summer

3.3 Demolition BHU - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1332	4.2827	1.6108	0.0197	0.5763	7.9500e-003	0.5842	0.1550	7.6100e-003	0.1626		2,175.0111	2,175.0111	0.1933		2,179.8426
Vendor	6.2800e-003	0.2241	0.0654	7.8000e-004	0.0203	2.6000e-004	0.0206	5.8500e-003	2.5000e-004	6.1000e-003		83.8523	83.8523	5.4800e-003		83.9893
Worker	0.1470	0.0858	1.0710	3.6300e-003	0.4107	2.6700e-003	0.4134	0.1090	2.4600e-003	0.1114		362.4186	362.4186	8.9700e-003		362.6427
Total	0.2865	4.5927	2.7473	0.0241	1.0073	0.0109	1.0182	0.2698	0.0103	0.2801		2,621.2819	2,621.2819	0.2077		2,626.4746

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Scripps Mercy Building Demolition - San Diego Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	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
User Defined Commercial	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
User Defined Commercial	9.50	7.30	7.30	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
User Defined Commercial	0.616428	0.037185	0.177402	0.097684	0.012090	0.005279	0.017663	0.025476	0.001931	0.001677	0.005617	0.000785	0.000782

5.0 Energy Detail

Scripps Mercy Building Demolition - San Diego Air Basin, Summer

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					
User Defined Commercial	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

Scripps Mercy Building Demolition - San Diego Air Basin, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
User Defined Commercial	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	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

Scripps Mercy Building Demolition - San Diego Air Basin, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

Scripps Mercy Building Demolition - San Diego Air Basin, Summer

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

Boilers

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

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

11.0 Vegetation

Scripps Mercy Building Demolition - San Diego Air Basin, Winter

Scripps Mercy Building Demolition
San Diego Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	867,899.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2030
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Scripps Mercy Building Demolition - San Diego Air Basin, Winter

Project Characteristics -

Land Use - Land use is required, but this model run is to calculate construction emissions from demolition. Lot acreage is based on total sqft being demo'd.

Construction Phase - Demolition will include Facility Bldg, Gen/CT Bldg, BHC/Hosp Bldg, 550 WA Bldg and Parking, Mercy Manor/Parking 4.1

Off-road Equipment - Equipment based on 550 Demo equipment list.

Off-road Equipment - Equipment based on BHU Demo equipment list.

Demolition - Total sqft of Fac Bldg, Gen Bldg/CT, BHC Bldg, Hospital Bldg, 550 WA Bldg, 550 Parking, Mercy Manor, Parking 4.1 (divided evenly between the two demo projects)

Trips and VMT - Total vendor trips adjusted to allow 3 watering trucks per day for each location. Total hauling trips adjusted to allow C&D waste to be exported from facility.

Area Coating -

Construction Off-road Equipment Mitigation - Tier 4 engines will be implemented for clean fleet construction equipment, over 200 hp. Watering 3x per day.

Area Mitigation -

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10,000.00	195.00
tblConstructionPhase	NumDays	10,000.00	195.00
tblConstructionPhase	PhaseEndDate	2/28/2062	7/30/2024
tblLandUse	LotAcreage	0.00	867,899.00
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.29	0.29
tblOffRoadEquipment	LoadFactor	0.38	0.38

Scripps Mercy Building Demolition - San Diego Air Basin, Winter

tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.34	0.34
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Other General Industrial Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Other General Industrial Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblTripsAndVMT	HaulingTripNumber	1,974.00	5,297.00
tblTripsAndVMT	HaulingTripNumber	1,974.00	5,297.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00

Scripps Mercy Building Demolition - San Diego Air Basin, Winter

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					
2023	15.2320	124.3168	125.8431	0.3803	8.7041	4.8893	13.5934	1.7629	4.5839	6.3469	0.0000	37,228.6788	37,228.6788	9.5731	0.0000	37,468.0069
2024	14.6963	115.7860	124.9193	0.3798	6.3683	4.3924	10.7606	1.1896	4.1150	5.3045	0.0000	37,183.0962	37,183.0962	9.5645	0.0000	37,422.2085
Maximum	15.2320	124.3168	125.8431	0.3803	8.7041	4.8893	13.5934	1.7629	4.5839	6.3469	0.0000	37,228.6788	37,228.6788	9.5731	0.0000	37,468.0069

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					
2023	9.3870	72.4562	167.4300	0.3803	5.9983	2.8999	8.8981	1.3532	2.7815	4.1347	0.0000	37,228.6788	37,228.6788	9.5731	0.0000	37,468.0069
2024	9.0031	68.3105	167.2304	0.3798	3.6624	2.5750	6.2374	0.7798	2.4707	3.2505	0.0000	37,183.0961	37,183.0961	9.5645	0.0000	37,422.2084
Maximum	9.3870	72.4562	167.4300	0.3803	5.9983	2.8999	8.8981	1.3532	2.7815	4.1347	0.0000	37,228.6788	37,228.6788	9.5731	0.0000	37,468.0069

Scripps Mercy Building Demolition - San Diego Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	38.55	41.37	-33.46	0.00	35.90	41.01	37.85	27.76	39.62	36.62	0.00	0.00	0.00	0.00	0.00	0.00

Scripps Mercy Building Demolition - San Diego Air Basin, Winter

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
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	1.0000e-005	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000	0.0000	2.3000e-004

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	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
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	1.0000e-005	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000	0.0000	2.3000e-004

Scripps Mercy Building Demolition - San Diego Air Basin, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition 550 WA	Demolition	11/1/2023	7/30/2024	5	195	
2	Demolition BHU	Demolition	11/1/2023	7/30/2024	5	195	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Scripps Mercy Building Demolition - San Diego Air Basin, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition 550 WA	Air Compressors	1	10.00	78	0.48
Demolition 550 WA	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Demolition 550 WA	Cranes	1	10.00	231	0.29
Demolition 550 WA	Off-Highway Trucks	6	10.00	402	0.38
Demolition 550 WA	Excavators	1	10.00	158	0.38
Demolition 550 WA	Concrete/Industrial Saws	2	10.00	81	0.73
Demolition 550 WA	Other General Industrial Equipment	3	10.00	88	0.34
Demolition BHU	Air Compressors	2	10.00	78	0.48
Demolition BHU	Rubber Tired Loaders	1	10.00	203	0.36
Demolition BHU	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Demolition BHU	Cranes	1	10.00	231	0.29
Demolition BHU	Off-Highway Trucks	6	10.00	402	0.38
Demolition BHU	Bore/Drill Rigs	1	10.00	221	0.50
Demolition BHU	Excavators	1	10.00	158	0.38
Demolition BHU	Welders	1	10.00	46	0.45
Demolition BHU	Concrete/Industrial Saws	2	10.00	81	0.73
Demolition BHU	Other General Industrial Equipment	4	10.00	88	0.34
Demolition 550 WA	Rubber Tired Loaders	1	10.00	203	0.36

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 550 WA	16	40.00	3.00	5,297.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition BHU	20	50.00	3.00	5,297.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Scripps Mercy Building Demolition - San Diego Air Basin, Winter

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition 550 WA - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2179	0.0000	2.2179	0.3359	0.0000	0.3359			0.0000			0.0000
Off-Road	6.7456	53.1373	55.0937	0.1548		2.2401	2.2401		2.0960	2.0960		14,941.339 1	14,941.339 1	4.3025		15,048.901 2
Total	6.7456	53.1373	55.0937	0.1548	2.2179	2.2401	4.4580	0.3359	2.0960	2.4318		14,941.339 1	14,941.339 1	4.3025		15,048.901 2

Scripps Mercy Building Demolition - San Diego Air Basin, Winter

3.2 Demolition 550 WA - 2023
Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1392	4.4097	1.6683	0.0195	1.7442	8.4000e-003	1.7526	0.4417	8.0300e-003	0.4497		2,152.1800	2,152.1800	0.1974		2,157.1151
Vendor	6.8700e-003	0.2263	0.0741	7.6000e-004	0.0203	2.8000e-004	0.0206	5.8500e-003	2.7000e-004	6.1200e-003		82.2208	82.2208	5.8400e-003		82.3669
Worker	0.1412	0.0840	0.8578	2.8400e-003	0.3286	2.1800e-003	0.3308	0.0872	2.0000e-003	0.0892		283.3585	283.3585	7.3500e-003		283.5423
Total	0.2872	4.7200	2.6002	0.0231	2.0931	0.0109	2.1039	0.5347	0.0103	0.5450		2,517.7593	2,517.7593	0.2106		2,523.0243

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.8650	0.0000	0.8650	0.1310	0.0000	0.1310			0.0000			0.0000
Off-Road	3.8283	27.2464	75.8408	0.1548		1.2468	1.2468		1.1960	1.1960	0.0000	14,941.3390	14,941.3390	4.3025		15,048.9012
Total	3.8283	27.2464	75.8408	0.1548	0.8650	1.2468	2.1118	0.1310	1.1960	1.3270	0.0000	14,941.3390	14,941.3390	4.3025		15,048.9012

Scripps Mercy Building Demolition - San Diego Air Basin, Winter

3.2 Demolition 550 WA - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1392	4.4097	1.6683	0.0195	1.7442	8.4000e-003	1.7526	0.4417	8.0300e-003	0.4497		2,152.1800	2,152.1800	0.1974		2,157.1151
Vendor	6.8700e-003	0.2263	0.0741	7.6000e-004	0.0203	2.8000e-004	0.0206	5.8500e-003	2.7000e-004	6.1200e-003		82.2208	82.2208	5.8400e-003		82.3669
Worker	0.1412	0.0840	0.8578	2.8400e-003	0.3286	2.1800e-003	0.3308	0.0872	2.0000e-003	0.0892		283.3585	283.3585	7.3500e-003		283.5423
Total	0.2872	4.7200	2.6002	0.0231	2.0931	0.0109	2.1039	0.5347	0.0103	0.5450		2,517.7593	2,517.7593	0.2106		2,523.0243

3.2 Demolition 550 WA - 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					
Fugitive Dust					2.2179	0.0000	2.2179	0.3359	0.0000	0.3359			0.0000			0.0000
Off-Road	6.5183	49.2527	54.6940	0.1548		2.0148	2.0148		1.8838	1.8838		14,945.1644	14,945.1644	4.2995		15,052.6511
Total	6.5183	49.2527	54.6940	0.1548	2.2179	2.0148	4.2327	0.3359	1.8838	2.2197		14,945.1644	14,945.1644	4.2995		15,052.6511

Scripps Mercy Building Demolition - San Diego Air Basin, Winter

3.2 Demolition 550 WA - 2024
Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1368	4.2981	1.6819	0.0193	0.5763	8.1900e-003	0.5844	0.1550	7.8300e-003	0.1629		2,137.3851	2,137.3851	0.1982		2,142.3400
Vendor	6.6200e-003	0.2231	0.0718	7.6000e-004	0.0203	2.7000e-004	0.0206	5.8500e-003	2.6000e-004	6.1100e-003		81.7071	81.7071	5.7700e-003		81.8513
Worker	0.1345	0.0770	0.8007	2.7300e-003	0.3286	2.1400e-003	0.3307	0.0872	1.9700e-003	0.0891		272.2048	272.2048	6.7500e-003		272.3735
Total	0.2780	4.5983	2.5545	0.0228	0.9252	0.0106	0.9358	0.2480	0.0101	0.2581		2,491.2969	2,491.2969	0.2107		2,496.5648

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.8650	0.0000	0.8650	0.1310	0.0000	0.1310			0.0000			0.0000
Off-Road	3.6770	25.5512	75.8028	0.1548		1.1074	1.1074		1.0629	1.0629	0.0000	14,945.1644	14,945.1644	4.2995		15,052.6511
Total	3.6770	25.5512	75.8028	0.1548	0.8650	1.1074	1.9723	0.1310	1.0629	1.1939	0.0000	14,945.1644	14,945.1644	4.2995		15,052.6511

Scripps Mercy Building Demolition - San Diego Air Basin, Winter

3.2 Demolition 550 WA - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1368	4.2981	1.6819	0.0193	0.5763	8.1900e-003	0.5844	0.1550	7.8300e-003	0.1629		2,137.3851	2,137.3851	0.1982		2,142.3400
Vendor	6.6200e-003	0.2231	0.0718	7.6000e-004	0.0203	2.7000e-004	0.0206	5.8500e-003	2.6000e-004	6.1100e-003		81.7071	81.7071	5.7700e-003		81.8513
Worker	0.1345	0.0770	0.8007	2.7300e-003	0.3286	2.1400e-003	0.3307	0.0872	1.9700e-003	0.0891		272.2048	272.2048	6.7500e-003		272.3735
Total	0.2780	4.5983	2.5545	0.0228	0.9252	0.0106	0.9358	0.2480	0.0101	0.2581		2,491.2969	2,491.2969	0.2107		2,496.5648

3.3 Demolition BHU - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2179	0.0000	2.2179	0.3359	0.0000	0.3359			0.0000			0.0000
Off-Road	7.8767	61.7186	65.3345	0.1786		2.6270	2.6270		2.4669	2.4669		17,180.9815	17,180.9815	4.8476		17,302.1715
Total	7.8767	61.7186	65.3345	0.1786	2.2179	2.6270	4.8449	0.3359	2.4669	2.8027		17,180.9815	17,180.9815	4.8476		17,302.1715

Scripps Mercy Building Demolition - San Diego Air Basin, Winter

3.3 Demolition BHU - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1392	4.4097	1.6683	0.0195	1.7442	8.4000e-003	1.7526	0.4417	8.0300e-003	0.4497		2,152.1800	2,152.1800	0.1974		2,157.1151
Vendor	6.8700e-003	0.2263	0.0741	7.6000e-004	0.0203	2.8000e-004	0.0206	5.8500e-003	2.7000e-004	6.1200e-003		82.2208	82.2208	5.8400e-003		82.3669
Worker	0.1765	0.1050	1.0722	3.5500e-003	0.4107	2.7200e-003	0.4135	0.1090	2.5100e-003	0.1115		354.1981	354.1981	9.1900e-003		354.4279
Total	0.3225	4.7410	2.8147	0.0238	2.1752	0.0114	2.1866	0.5565	0.0108	0.5673		2,588.5989	2,588.5989	0.2124		2,593.9099

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.8650	0.0000	0.8650	0.1310	0.0000	0.1310			0.0000			0.0000
Off-Road	4.9490	35.7489	86.1744	0.1786		1.6309	1.6309		1.5644	1.5644	0.0000	17,180.9815	17,180.9815	4.8476		17,302.1715
Total	4.9490	35.7489	86.1744	0.1786	0.8650	1.6309	2.4958	0.1310	1.5644	1.6954	0.0000	17,180.9815	17,180.9815	4.8476		17,302.1715

Scripps Mercy Building Demolition - San Diego Air Basin, Winter

3.3 Demolition BHU - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1392	4.4097	1.6683	0.0195	1.7442	8.4000e-003	1.7526	0.4417	8.0300e-003	0.4497		2,152.1800	2,152.1800	0.1974		2,157.1151
Vendor	6.8700e-003	0.2263	0.0741	7.6000e-004	0.0203	2.8000e-004	0.0206	5.8500e-003	2.7000e-004	6.1200e-003		82.2208	82.2208	5.8400e-003		82.3669
Worker	0.1765	0.1050	1.0722	3.5500e-003	0.4107	2.7200e-003	0.4135	0.1090	2.5100e-003	0.1115		354.1981	354.1981	9.1900e-003		354.4279
Total	0.3225	4.7410	2.8147	0.0238	2.1752	0.0114	2.1866	0.5565	0.0108	0.5673		2,588.5989	2,588.5989	0.2124		2,593.9099

3.3 Demolition BHU - 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					
Fugitive Dust					2.2179	0.0000	2.2179	0.3359	0.0000	0.3359			0.0000			0.0000
Off-Road	7.5884	57.3175	64.9162	0.1786		2.3559	2.3559		2.2105	2.2105		17,187.2867	17,187.2867	4.8419		17,308.3344
Total	7.5884	57.3175	64.9162	0.1786	2.2179	2.3559	4.5738	0.3359	2.2105	2.5464		17,187.2867	17,187.2867	4.8419		17,308.3344

Scripps Mercy Building Demolition - San Diego Air Basin, Winter

3.3 Demolition BHU - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1368	4.2981	1.6819	0.0193	0.5763	8.1900e-003	0.5844	0.1550	7.8300e-003	0.1629		2,137.3851	2,137.3851	0.1982		2,142.3400
Vendor	6.6200e-003	0.2231	0.0718	7.6000e-004	0.0203	2.7000e-004	0.0206	5.8500e-003	2.6000e-004	6.1100e-003		81.7071	81.7071	5.7700e-003		81.8513
Worker	0.1681	0.0963	1.0009	3.4100e-003	0.4107	2.6700e-003	0.4134	0.1090	2.4600e-003	0.1114		340.2560	340.2560	8.4400e-003		340.4669
Total	0.3116	4.6175	2.7546	0.0235	1.0073	0.0111	1.0184	0.2698	0.0106	0.2804		2,559.3481	2,559.3481	0.2124		2,564.6582

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.8650	0.0000	0.8650	0.1310	0.0000	0.1310			0.0000			0.0000
Off-Road	4.7366	33.5436	86.1186	0.1786		1.4459	1.4459		1.3872	1.3872	0.0000	17,187.2866	17,187.2866	4.8419		17,308.3343
Total	4.7366	33.5436	86.1186	0.1786	0.8650	1.4459	2.3109	0.1310	1.3872	1.5182	0.0000	17,187.2866	17,187.2866	4.8419		17,308.3343

Scripps Mercy Building Demolition - San Diego Air Basin, Winter

3.3 Demolition BHU - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1368	4.2981	1.6819	0.0193	0.5763	8.1900e-003	0.5844	0.1550	7.8300e-003	0.1629		2,137.3851	2,137.3851	0.1982		2,142.3400
Vendor	6.6200e-003	0.2231	0.0718	7.6000e-004	0.0203	2.7000e-004	0.0206	5.8500e-003	2.6000e-004	6.1100e-003		81.7071	81.7071	5.7700e-003		81.8513
Worker	0.1681	0.0963	1.0009	3.4100e-003	0.4107	2.6700e-003	0.4134	0.1090	2.4600e-003	0.1114		340.2560	340.2560	8.4400e-003		340.4669
Total	0.3116	4.6175	2.7546	0.0235	1.0073	0.0111	1.0184	0.2698	0.0106	0.2804		2,559.3481	2,559.3481	0.2124		2,564.6582

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Scripps Mercy Building Demolition - San Diego Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	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
User Defined Commercial	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
User Defined Commercial	9.50	7.30	7.30	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
User Defined Commercial	0.616428	0.037185	0.177402	0.097684	0.012090	0.005279	0.017663	0.025476	0.001931	0.001677	0.005617	0.000785	0.000782

5.0 Energy Detail

Scripps Mercy Building Demolition - San Diego Air Basin, Winter

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					
User Defined Commercial	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

Scripps Mercy Building Demolition - San Diego Air Basin, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
User Defined Commercial	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

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	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

Scripps Mercy Building Demolition - San Diego Air Basin, Winter

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

Scripps Mercy Building Demolition - San Diego Air Basin, Winter

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

Scripps Mercy Hospital I and II - San Diego Air Basin, Annual

**Scripps Mercy Hospital I and II
San Diego Air Basin, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	351.00	Bed	14.50	251,230.91	0
Hospital	166.00	Bed	8.72	118,815.76	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2030
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Scripps Mercy Hospital I and II - San Diego Air Basin, Annual

Project Characteristics -

Land Use - Lot acreage adjusted to match 630,000 sqft for Hospital I and 380,000 sq ft for Hospital II.

Construction Phase - Construction will occur from 6/24/2024 through 2/28/2028, based on the phasing figure for Hospital I and II

Off-road Equipment - Coating equipment based on default with adjusted hours.

Off-road Equipment - Construction equipment based on equipment list.

Off-road Equipment - Grading equipment based on equipment list.

Off-road Equipment - Paving equipment as default.

Off-road Equipment - Site prep equipment based on default.

Trips and VMT -

Grading -

Architectural Coating - SDAPCD Rule 60.0.1. Architectural Coatings: 50 g/L VOC will be applied for interior and exterior paint. Traffic markings paints are listed as 100 g/L VOC.

Vehicle Trips - Trip rate from TIA, Dec 2020 shown as 20/bed (applied for week days). Weekend trips remain as default.

Area Coating - SDAPCD Rule 67.0.1 Architectural Coatings for reapplication: 50 g/L interior and exterior, with 100 g/L for parking lot paints

Construction Off-road Equipment Mitigation - Tier 4 engines will be implemented for clean fleet construction equipment, over 200 hp.

Area Mitigation - Use low VOC cleaning supplies and 3% electric landscaping

Energy Mitigation - 20% improvement for health care facilities assumed for the new 2022 Building Standards for health care facilities. 20% lighting energy reduction for non-residential per 2022 Stds.

Waste Mitigation - 25% reduction in waste for health care facility

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00

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tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	100
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblGrading	AcresOfGrading	91.88	118.13
tblLandUse	LotAcreage	2.73	8.72
tblLandUse	LotAcreage	5.77	14.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	6.00	8.00

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tblVehicleTrips	WD_TR	12.94	20.00
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2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	2.0133	16.9990	15.0529	0.0336	0.3839	0.8170	1.2009	0.1485	0.7745	0.9231	0.0000	2,895.5177	2,895.5177	0.6662	0.0000	2,912.1735
2022	2.6758	14.5509	14.9162	0.0341	0.1308	0.6709	0.8017	0.0356	0.6386	0.6742	0.0000	2,937.2326	2,937.2326	0.6613	0.0000	2,953.7658
Maximum	2.6758	16.9990	15.0529	0.0341	0.3839	0.8170	1.2009	0.1485	0.7745	0.9231	0.0000	2,937.2326	2,937.2326	0.6662	0.0000	2,953.7658

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					
2021	1.5033	11.5001	17.2880	0.0336	0.2263	0.6026	0.8289	0.0788	0.5790	0.6578	0.0000	2,895.5145	2,895.5145	0.6662	0.0000	2,912.1703
2022	2.2579	10.5039	17.5105	0.0341	0.1308	0.5145	0.6454	0.0356	0.4965	0.5322	0.0000	2,937.2294	2,937.2294	0.6613	0.0000	2,953.7625
Maximum	2.2579	11.5001	17.5105	0.0341	0.2263	0.6026	0.8289	0.0788	0.5790	0.6578	0.0000	2,937.2294	2,937.2294	0.6662	0.0000	2,953.7625

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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	19.79	30.26	-16.11	0.00	30.62	24.92	26.39	37.87	23.89	25.50	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	2-19-2021	5-18-2021	2.9592	2.0084
2	5-19-2021	8-18-2021	6.4914	4.4450
3	8-19-2021	11-18-2021	6.4928	4.4464
4	11-19-2021	2-18-2022	6.0274	4.2441
5	2-19-2022	5-18-2022	5.4336	3.9318
6	5-19-2022	8-18-2022	5.6156	4.0632
7	8-19-2022	9-30-2022	2.1715	1.5809
		Highest	6.4928	4.4464

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2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.5314	4.0000e-005	4.7300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.2400e-003	9.2400e-003	2.0000e-005	0.0000	9.8300e-003
Energy	0.1157	1.0516	0.8833	6.3100e-003		0.0799	0.0799		0.0799	0.0799	0.0000	3,171.6015	3,171.6015	0.1035	0.0379	3,185.4736
Mobile	1.5656	6.7937	18.1136	0.0730	8.0799	0.0478	8.1276	2.1628	0.0444	2.2072	0.0000	6,784.5912	6,784.5912	0.3317	0.0000	6,792.8841
Waste						0.0000	0.0000		0.0000	0.0000	306.4433	0.0000	306.4433	18.1103	0.0000	759.2003
Water						0.0000	0.0000		0.0000	0.0000	14.7313	229.7057	244.4370	1.5223	0.0376	293.7106
Total	3.2126	7.8453	19.0016	0.0793	8.0799	0.1277	8.2076	2.1628	0.1243	2.2871	321.1745	10,185.9076	10,507.0822	20.0678	0.0755	11,031.2784

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.4234	4.0000e-005	4.6700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.1100e-003	9.1100e-003	2.0000e-005	0.0000	9.7000e-003
Energy	0.0953	0.8663	0.7277	5.2000e-003		0.0658	0.0658		0.0658	0.0658	0.0000	2,706.5883	2,706.5883	0.0891	0.0320	2,718.3436
Mobile	1.4236	6.1613	15.1548	0.0585	6.3560	0.0390	6.3949	1.7014	0.0362	1.7376	0.0000	5,441.9676	5,441.9676	0.2742	0.0000	5,448.8219
Waste						0.0000	0.0000		0.0000	0.0000	229.8325	0.0000	229.8325	13.5827	0.0000	569.4002
Water						0.0000	0.0000		0.0000	0.0000	14.7313	229.7057	244.4370	1.5223	0.0376	293.7106
Total	2.9423	7.0277	15.8872	0.0637	6.3560	0.1048	6.4608	1.7014	0.1021	1.8034	244.5637	8,378.2707	8,622.8344	15.4683	0.0696	9,030.2860

	ROG	NOx	CO	SO2	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	8.42	10.42	16.39	19.67	21.34	17.89	21.28	21.34	17.89	21.15	23.85	17.75	17.93	22.92	7.80	18.14

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	2/19/2021	3/4/2021	5	10	
2	Grading	Grading	3/5/2021	4/22/2021	5	35	
3	Building Construction	Building Construction	4/23/2021	9/22/2022	5	370	
4	Architectural Coating	Architectural Coating	10/21/2022	11/17/2022	5	20	
5	Paving	Paving	9/23/2022	10/20/2022	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 118.13

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 555,070; Non-Residential Outdoor: 185,023; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	10.00	158	0.38
Grading	Graders	1	10.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	10.00	97	0.37
Building Construction	Air Compressors	2	10.00	78	0.48
Building Construction	Bore/Drill Rigs	1	10.00	221	0.50
Building Construction	Cement and Mortar Mixers	15	10.00	9	0.56
Building Construction	Concrete/Industrial Saws	6	10.00	81	0.73
Building Construction	Cranes	2	10.00	231	0.29
Building Construction	Forklifts	2	10.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Off-Highway Trucks	8	10.00	402	0.38
Building Construction	Other General Industrial Equipment	7	10.00	88	0.34
Building Construction	Other General Industrial Equipment	6	10.00	88	0.34
Building Construction	Plate Compactors	2	10.00	8	0.43
Building Construction	Pumps	2	10.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	10.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Building Construction	Welders	6	10.00	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	4	8.00	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	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	64	118.00	61.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	4	24.00	0.00	0.00	10.80	7.30	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 - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7179	16.7179	5.4100e-003	0.0000	16.8530
Total	0.0194	0.2025	0.1058	1.9000e-004	0.0903	0.0102	0.1006	0.0497	9.4000e-003	0.0591	0.0000	16.7179	16.7179	5.4100e-003	0.0000	16.8530

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3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.2000e-004	2.2500e-003	1.0000e-005	7.2000e-004	1.0000e-005	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.6305	0.6305	2.0000e-005	0.0000	0.6309
Total	3.1000e-004	2.2000e-004	2.2500e-003	1.0000e-005	7.2000e-004	1.0000e-005	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.6305	0.6305	2.0000e-005	0.0000	0.6309

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.3100e-003	0.0447	0.1027	1.9000e-004		2.4400e-003	2.4400e-003		2.2700e-003	2.2700e-003	0.0000	16.7178	16.7178	5.4100e-003	0.0000	16.8530
Total	5.3100e-003	0.0447	0.1027	1.9000e-004	0.0352	2.4400e-003	0.0377	0.0194	2.2700e-003	0.0216	0.0000	16.7178	16.7178	5.4100e-003	0.0000	16.8530

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3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.2000e-004	2.2500e-003	1.0000e-005	7.2000e-004	1.0000e-005	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.6305	0.6305	2.0000e-005	0.0000	0.6309
Total	3.1000e-004	2.2000e-004	2.2500e-003	1.0000e-005	7.2000e-004	1.0000e-005	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.6305	0.6305	2.0000e-005	0.0000	0.6309

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1680	0.0000	0.1680	0.0647	0.0000	0.0647	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0740	0.8262	0.5249	1.0700e-003		0.0352	0.0352		0.0324	0.0324	0.0000	94.3458	94.3458	0.0305	0.0000	95.1087
Total	0.0740	0.8262	0.5249	1.0700e-003	0.1680	0.0352	0.2032	0.0647	0.0324	0.0971	0.0000	94.3458	94.3458	0.0305	0.0000	95.1087

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3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0900e-003	7.8000e-004	7.8700e-003	2.0000e-005	2.5300e-003	2.0000e-005	2.5400e-003	6.7000e-004	2.0000e-005	6.9000e-004	0.0000	2.2067	2.2067	6.0000e-005	0.0000	2.2082
Total	1.0900e-003	7.8000e-004	7.8700e-003	2.0000e-005	2.5300e-003	2.0000e-005	2.5400e-003	6.7000e-004	2.0000e-005	6.9000e-004	0.0000	2.2067	2.2067	6.0000e-005	0.0000	2.2082

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0252	0.0000	0.0252	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0575	0.6422	0.5214	1.0700e-003		0.0261	0.0261		0.0240	0.0240	0.0000	94.3457	94.3457	0.0305	0.0000	95.1086
Total	0.0575	0.6422	0.5214	1.0700e-003	0.0655	0.0261	0.0916	0.0252	0.0240	0.0493	0.0000	94.3457	94.3457	0.0305	0.0000	95.1086

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3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0900e-003	7.8000e-004	7.8700e-003	2.0000e-005	2.5300e-003	2.0000e-005	2.5400e-003	6.7000e-004	2.0000e-005	6.9000e-004	0.0000	2.2067	2.2067	6.0000e-005	0.0000	2.2082
Total	1.0900e-003	7.8000e-004	7.8700e-003	2.0000e-005	2.5300e-003	2.0000e-005	2.5400e-003	6.7000e-004	2.0000e-005	6.9000e-004	0.0000	2.2067	2.2067	6.0000e-005	0.0000	2.2082

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.8643	15.3755	13.9940	0.0300		0.7698	0.7698		0.7310	0.7310	0.0000	2,562.4801	2,562.4801	0.6174	0.0000	2,577.9145
Total	1.8643	15.3755	13.9940	0.0300		0.7698	0.7698		0.7310	0.7310	0.0000	2,562.4801	2,562.4801	0.6174	0.0000	2,577.9145

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3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0171	0.5673	0.1513	1.4800e-003	0.0366	1.2000e-003	0.0378	0.0106	1.1500e-003	0.0117	0.0000	144.3280	144.3280	0.0107	0.0000	144.5958
Worker	0.0371	0.0265	0.2668	8.3000e-004	0.0856	6.1000e-004	0.0862	0.0228	5.6000e-004	0.0233	0.0000	74.8088	74.8088	2.1400e-003	0.0000	74.8624
Total	0.0542	0.5938	0.4181	2.3100e-003	0.1223	1.8100e-003	0.1241	0.0333	1.7100e-003	0.0350	0.0000	219.1368	219.1368	0.0129	0.0000	219.4582

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.3849	10.2184	16.2357	0.0300		0.5722	0.5722		0.5509	0.5509	0.0000	2,562.4771	2,562.4771	0.6174	0.0000	2,577.9114
Total	1.3849	10.2184	16.2357	0.0300		0.5722	0.5722		0.5509	0.5509	0.0000	2,562.4771	2,562.4771	0.6174	0.0000	2,577.9114

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3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0171	0.5673	0.1513	1.4800e-003	0.0366	1.2000e-003	0.0378	0.0106	1.1500e-003	0.0117	0.0000	144.3280	144.3280	0.0107	0.0000	144.5958
Worker	0.0371	0.0265	0.2668	8.3000e-004	0.0856	6.1000e-004	0.0862	0.0228	5.6000e-004	0.0233	0.0000	74.8088	74.8088	2.1400e-003	0.0000	74.8624
Total	0.0542	0.5938	0.4181	2.3100e-003	0.1223	1.8100e-003	0.1241	0.0333	1.7100e-003	0.0350	0.0000	219.1368	219.1368	0.0129	0.0000	219.4582

3.4 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	1.7418	13.7790	14.2564	0.0313		0.6592	0.6592		0.6274	0.6274	0.0000	2,676.4241	2,676.4241	0.6410	0.0000	2,692.4493
Total	1.7418	13.7790	14.2564	0.0313		0.6592	0.6592		0.6274	0.6274	0.0000	2,676.4241	2,676.4241	0.6410	0.0000	2,692.4493

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3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0166	0.5594	0.1496	1.5300e-003	0.0383	1.0800e-003	0.0393	0.0111	1.0300e-003	0.0121	0.0000	149.2799	149.2799	0.0108	0.0000	149.5508
Worker	0.0367	0.0252	0.2586	8.3000e-004	0.0894	6.2000e-004	0.0900	0.0238	5.7000e-004	0.0243	0.0000	75.2518	75.2518	2.0500e-003	0.0000	75.3030
Total	0.0533	0.5846	0.4082	2.3600e-003	0.1277	1.7000e-003	0.1294	0.0348	1.6000e-003	0.0364	0.0000	224.5317	224.5317	0.0129	0.0000	224.8538

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.3238	9.7321	16.8507	0.0313		0.5028	0.5028		0.4853	0.4853	0.0000	2,676.4210	2,676.4210	0.6410	0.0000	2,692.4461
Total	1.3238	9.7321	16.8507	0.0313		0.5028	0.5028		0.4853	0.4853	0.0000	2,676.4210	2,676.4210	0.6410	0.0000	2,692.4461

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3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0166	0.5594	0.1496	1.5300e-003	0.0383	1.0800e-003	0.0393	0.0111	1.0300e-003	0.0121	0.0000	149.2799	149.2799	0.0108	0.0000	149.5508
Worker	0.0367	0.0252	0.2586	8.3000e-004	0.0894	6.2000e-004	0.0900	0.0238	5.7000e-004	0.0243	0.0000	75.2518	75.2518	2.0500e-003	0.0000	75.3030
Total	0.0533	0.5846	0.4082	2.3600e-003	0.1277	1.7000e-003	0.1294	0.0348	1.6000e-003	0.0364	0.0000	224.5317	224.5317	0.0129	0.0000	224.8538

3.5 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	0.8576					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0109	0.0751	0.0967	1.6000e-004		4.3600e-003	4.3600e-003		4.3600e-003	4.3600e-003	0.0000	13.6174	13.6174	8.9000e-004	0.0000	13.6395
Total	0.8685	0.0751	0.0967	1.6000e-004		4.3600e-003	4.3600e-003		4.3600e-003	4.3600e-003	0.0000	13.6174	13.6174	8.9000e-004	0.0000	13.6395

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3.5 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.9000e-004	5.4000e-004	5.5700e-003	2.0000e-005	1.9200e-003	1.0000e-005	1.9400e-003	5.1000e-004	1.0000e-005	5.2000e-004	0.0000	1.6196	1.6196	4.0000e-005	0.0000	1.6207
Total	7.9000e-004	5.4000e-004	5.5700e-003	2.0000e-005	1.9200e-003	1.0000e-005	1.9400e-003	5.1000e-004	1.0000e-005	5.2000e-004	0.0000	1.6196	1.6196	4.0000e-005	0.0000	1.6207

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8576					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0109	0.0751	0.0967	1.6000e-004		4.3600e-003	4.3600e-003		4.3600e-003	4.3600e-003	0.0000	13.6173	13.6173	8.9000e-004	0.0000	13.6395
Total	0.8685	0.0751	0.0967	1.6000e-004		4.3600e-003	4.3600e-003		4.3600e-003	4.3600e-003	0.0000	13.6173	13.6173	8.9000e-004	0.0000	13.6395

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3.5 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.9000e-004	5.4000e-004	5.5700e-003	2.0000e-005	1.9200e-003	1.0000e-005	1.9400e-003	5.1000e-004	1.0000e-005	5.2000e-004	0.0000	1.6196	1.6196	4.0000e-005	0.0000	1.6207
Total	7.9000e-004	5.4000e-004	5.5700e-003	2.0000e-005	1.9200e-003	1.0000e-005	1.9400e-003	5.1000e-004	1.0000e-005	5.2000e-004	0.0000	1.6196	1.6196	4.0000e-005	0.0000	1.6207

3.6 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	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895

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3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.4000e-004	3.4800e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0123	1.0123	3.0000e-005	0.0000	1.0130
Total	4.9000e-004	3.4000e-004	3.4800e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0123	1.0123	3.0000e-005	0.0000	1.0130

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895

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3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.4000e-004	3.4800e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0123	1.0123	3.0000e-005	0.0000	1.0130
Total	4.9000e-004	3.4000e-004	3.4800e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0123	1.0123	3.0000e-005	0.0000	1.0130

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Destination Accessibility

Implement Trip Reduction Program

Encourage Telecommuting and Alternative Work Schedules

Market Commute Trip Reduction Option

Employee Vanpool/Shuttle

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.4236	6.1613	15.1548	0.0585	6.3560	0.0390	6.3949	1.7014	0.0362	1.7376	0.0000	5,441.9676	5,441.9676	0.2742	0.0000	5,448.8219
Unmitigated	1.5656	6.7937	18.1136	0.0730	8.0799	0.0478	8.1276	2.1628	0.0444	2.2072	0.0000	6,784.5912	6,784.5912	0.3317	0.0000	6,792.8841

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hospital	7,020.00	2,857.14	2523.69	14,564,057	11,456,681
Hospital	3,320.00	1,351.24	1193.54	6,887,845	5,418,259
Total	10,340.00	4,208.38	3,717.23	21,451,902	16,874,940

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
Hospital	9.50	7.30	7.30	64.90	16.10	19.00	73	25	2
Hospital	9.50	7.30	7.30	64.90	16.10	19.00	73	25	2

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.616428	0.037185	0.177402	0.097684	0.012090	0.005279	0.017663	0.025476	0.001931	0.001677	0.005617	0.000785	0.000782

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1,763.4668	1,763.4668	0.0710	0.0147	1,769.6176
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,026.8622	2,026.8622	0.0816	0.0169	2,033.9317
NaturalGas Mitigated	0.0953	0.8663	0.7277	5.2000e-003		0.0658	0.0658		0.0658	0.0658	0.0000	943.1215	943.1215	0.0181	0.0173	948.7260
NaturalGas Unmitigated	0.1157	1.0516	0.8833	6.3100e-003		0.0799	0.0799		0.0799	0.0799	0.0000	1,144.7394	1,144.7394	0.0219	0.0210	1,151.5420

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hospital	6.88775e+006	0.0371	0.3376	0.2836	2.0300e-003		0.0257	0.0257		0.0257	0.0257	0.0000	367.5566	367.5566	7.0400e-003	6.7400e-003	369.7408
Hospital	1.45639e+007	0.0785	0.7139	0.5997	4.2800e-003		0.0543	0.0543		0.0543	0.0543	0.0000	777.1828	777.1828	0.0149	0.0143	781.8012
Total		0.1157	1.0515	0.8833	6.3100e-003		0.0799	0.0799		0.0799	0.0799	0.0000	1,144.7394	1,144.7394	0.0219	0.0210	1,151.5420

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hospital	1.19988e+007	0.0647	0.5882	0.4941	3.5300e-003		0.0447	0.0447		0.0447	0.0447	0.0000	640.3010	640.3010	0.0123	0.0117	644.1060
Hospital	5.67464e+006	0.0306	0.2782	0.2337	1.6700e-003		0.0211	0.0211		0.0211	0.0211	0.0000	302.8204	302.8204	5.8000e-003	5.5500e-003	304.6200
Total		0.0953	0.8664	0.7277	5.2000e-003		0.0658	0.0658		0.0658	0.0658	0.0000	943.1215	943.1215	0.0181	0.0173	948.7260

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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			
Hospital	1.99135e+006	650.7913	0.0262	5.4200e-003	653.0612
Hospital	4.21063e+006	1,376.0708	0.0554	0.0115	1,380.8704
Total		2,026.8622	0.0816	0.0169	2,033.9317

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hospital	1.73257e+006	566.2195	0.0228	4.7200e-003	568.1945
Hospital	3.66345e+006	1,197.2473	0.0482	9.9700e-003	1,201.4232
Total		1,763.4668	0.0710	0.0147	1,769.6176

6.0 Area Detail

6.1 Mitigation Measures Area

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Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.4234	4.0000e-005	4.6700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.1100e-003	9.1100e-003	2.0000e-005	0.0000	9.7000e-003
Unmitigated	1.5314	4.0000e-005	4.7300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.2400e-003	9.2400e-003	2.0000e-005	0.0000	9.8300e-003

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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0858					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.4452					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.3000e-004	4.0000e-005	4.7300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.2400e-003	9.2400e-003	2.0000e-005	0.0000	9.8300e-003
Total	1.5314	4.0000e-005	4.7300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.2400e-003	9.2400e-003	2.0000e-005	0.0000	9.8300e-003

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	0.0858					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.3372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.3000e-004	4.0000e-005	4.6700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.1100e-003	9.1100e-003	2.0000e-005	0.0000	9.7000e-003
Total	1.4234	4.0000e-005	4.6700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.1100e-003	9.1100e-003	2.0000e-005	0.0000	9.7000e-003

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7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	244.4370	1.5223	0.0376	293.7106
Unmitigated	244.4370	1.5223	0.0376	293.7106

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hospital	46.4337 / 8.84451	244.4370	1.5223	0.0376	293.7106
Total		244.4370	1.5223	0.0376	293.7106

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hospital	46.4337 / 8.84451	244.4370	1.5223	0.0376	293.7106
Total		244.4370	1.5223	0.0376	293.7106

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Scripps Mercy Hospital I and II - San Diego Air Basin, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	229.8325	13.5827	0.0000	569.4002
Unmitigated	306.4433	18.1103	0.0000	759.2003

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hospital	1509.64	306.4433	18.1103	0.0000	759.2003
Total		306.4433	18.1103	0.0000	759.2003

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hospital	1132.23	229.8325	13.5827	0.0000	569.4002
Total		229.8325	13.5827	0.0000	569.4002

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

Scripps Mercy Hospital I and II - San Diego Air Basin, Annual

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

Scripps Mercy Hospital I and II
San Diego Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	351.00	Bed	14.50	251,230.91	0
Hospital	166.00	Bed	8.72	118,815.76	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2030
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

Project Characteristics -

Land Use - Lot acreage adjusted to match 630,000 sqft for Hospital I and 380,000 sq ft for Hospital II.

Construction Phase - Construction will occur from 6/24/2024 through 2/28/2028, based on the phasing figure for Hospital I and II

Off-road Equipment - Coating equipment based on default with adjusted hours.

Off-road Equipment - Construction equipment based on equipment list.

Off-road Equipment - Grading equipment based on equipment list.

Off-road Equipment - Paving equipment as default.

Off-road Equipment - Site prep equipment based on default.

Trips and VMT -

Grading -

Architectural Coating - SDAPCD Rule 60.0.1. Architectural Coatings: 50 g/L VOC will be applied for interior and exterior paint. Traffic markings paints are listed as 100 g/L VOC.

Vehicle Trips - Trip rate from TIA, Dec 2020 shown as 20/bed (applied for week days). Weekend trips remain as default.

Area Coating - SDAPCD Rule 67.0.1 Architectural Coatings for reapplication: 50 g/L interior and exterior, with 100 g/L for parking lot paints

Construction Off-road Equipment Mitigation - Tier 4 engines will be implemented for clean fleet construction equipment, over 200 hp.

Area Mitigation - Use low VOC cleaning supplies and 3% electric landscaping

Energy Mitigation - 20% improvement for health care facilities assumed for the new 2022 Building Standards for health care facilities. 20% lighting energy reduction for non-residential per 2022 Stds.

Waste Mitigation - 25% reduction in waste for health care facility

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	100
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblGrading	AcresOfGrading	91.88	118.13
tblLandUse	LotAcreage	2.73	8.72
tblLandUse	LotAcreage	5.77	14.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	6.00	8.00

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

tblVehicleTrips	WD_TR	12.94	20.00
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2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	21.1924	176.3712	159.3428	0.3576	18.2141	8.5260	20.2596	9.9699	8.0961	11.8517	0.0000	33,949.8983	33,949.8983	7.6742	0.0000	34,141.7532
2022	86.9276	151.9216	155.2710	0.3572	1.3823	6.9929	8.3752	0.3760	6.6556	7.0316	0.0000	33,905.9287	33,905.9287	7.6254	0.0000	34,096.5629
Maximum	86.9276	176.3712	159.3428	0.3576	18.2141	8.5260	20.2596	9.9699	8.0961	11.8517	0.0000	33,949.8983	33,949.8983	7.6742	0.0000	34,141.7532

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					
2021	15.8949	119.3872	184.1134	0.3576	7.1937	6.3424	7.7247	3.9122	6.1063	6.4823	0.0000	33,949.8983	33,949.8983	7.6742	0.0000	34,141.7531
2022	86.9276	109.0968	182.7241	0.3572	1.3823	5.3382	6.7205	0.3760	5.1524	5.5284	0.0000	33,905.9287	33,905.9287	7.6254	0.0000	34,096.5629
Maximum	86.9276	119.3872	184.1134	0.3576	7.1937	6.3424	7.7247	3.9122	6.1063	6.4823	0.0000	33,949.8983	33,949.8983	7.6742	0.0000	34,141.7531

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	4.90	30.40	-16.60	0.00	56.24	24.73	49.55	58.55	23.68	36.40	0.00	0.00	0.00	0.00	0.00	0.00

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.3937	4.7000e-004	0.0525	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1132	0.1132	2.9000e-004		0.1204
Energy	0.6338	5.7619	4.8400	0.0346		0.4379	0.4379		0.4379	0.4379		6,914.2967	6,914.2967	0.1325	0.1268	6,955.3849
Mobile	11.0812	44.3109	124.2257	0.5074	55.1870	0.3184	55.5054	14.7435	0.2958	15.0393		51,980.2976	51,980.2976	2.4476		52,041.4865
Total	20.1087	50.0733	129.1182	0.5420	55.1870	0.7565	55.9435	14.7435	0.7339	15.4774		58,894.7074	58,894.7074	2.5804	0.1268	58,996.9918

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.8016	4.7000e-004	0.0519	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1116	0.1116	2.9000e-004		0.1188
Energy	0.5222	4.7471	3.9876	0.0285		0.3608	0.3608		0.3608	0.3608		5,696.5122	5,696.5122	0.1092	0.1044	5,730.3637
Mobile	10.1203	40.3384	102.8615	0.4067	43.4124	0.2599	43.6722	11.5979	0.2413	11.8392		41,693.8558	41,693.8558	2.0157		41,744.2478
Total	18.4441	45.0860	106.9010	0.4352	43.4124	0.6208	44.0332	11.5979	0.6023	12.2001		47,390.4795	47,390.4795	2.1252	0.1044	47,474.7303

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	8.28	9.96	17.21	19.70	21.34	17.93	21.29	21.34	17.93	21.17	0.00	19.53	19.53	17.64	17.61	19.53

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	2/19/2021	3/4/2021	5	10	
2	Grading	Grading	3/5/2021	4/22/2021	5	35	
3	Building Construction	Building Construction	4/23/2021	9/22/2022	5	370	
4	Architectural Coating	Architectural Coating	10/21/2022	11/17/2022	5	20	
5	Paving	Paving	9/23/2022	10/20/2022	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 118.13

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 555,070; Non-Residential Outdoor: 185,023; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	10.00	158	0.38
Grading	Graders	1	10.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	10.00	97	0.37
Building Construction	Air Compressors	2	10.00	78	0.48
Building Construction	Bore/Drill Rigs	1	10.00	221	0.50
Building Construction	Cement and Mortar Mixers	15	10.00	9	0.56
Building Construction	Concrete/Industrial Saws	6	10.00	81	0.73
Building Construction	Cranes	2	10.00	231	0.29
Building Construction	Forklifts	2	10.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Off-Highway Trucks	8	10.00	402	0.38
Building Construction	Other General Industrial Equipment	7	10.00	88	0.34
Building Construction	Other General Industrial Equipment	6	10.00	88	0.34
Building Construction	Plate Compactors	2	10.00	8	0.43
Building Construction	Pumps	2	10.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	10.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Building Construction	Welders	6	10.00	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	4	8.00	78	0.48

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

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	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	64	118.00	61.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	4	24.00	0.00	0.00	10.80	7.30	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 - 2021

Unmitigated Construction On-Site

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

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0405	0.4774	1.4700e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		146.5994	146.5994	4.1800e-003		146.7040
Total	0.0623	0.0405	0.4774	1.4700e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		146.5994	146.5994	4.1800e-003		146.7040

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0628	8.9424	20.5417	0.0380		0.4889	0.4889		0.4532	0.4532	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	1.0628	8.9424	20.5417	0.0380	7.0458	0.4889	7.5348	3.8730	0.4532	4.3261	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0405	0.4774	1.4700e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		146.5994	146.5994	4.1800e-003		146.7040
Total	0.0623	0.0405	0.4774	1.4700e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		146.5994	146.5994	4.1800e-003		146.7040

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.6014	0.0000	9.6014	3.6967	0.0000	3.6967			0.0000			0.0000
Off-Road	4.2262	47.2138	29.9965	0.0614		2.0098	2.0098		1.8490	1.8490		5,942.7705	5,942.7705	1.9220		5,990.8208
Total	4.2262	47.2138	29.9965	0.0614	9.6014	2.0098	11.6113	3.6967	1.8490	5.5457		5,942.7705	5,942.7705	1.9220		5,990.8208

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0405	0.4774	1.4700e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		146.5994	146.5994	4.1800e-003		146.7040
Total	0.0623	0.0405	0.4774	1.4700e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		146.5994	146.5994	4.1800e-003		146.7040

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.7446	0.0000	3.7446	1.4417	0.0000	1.4417			0.0000			0.0000
Off-Road	3.2844	36.6956	29.7923	0.0614		1.4913	1.4913		1.3731	1.3731	0.0000	5,942.7705	5,942.7705	1.9220		5,990.8208
Total	3.2844	36.6956	29.7923	0.0614	3.7446	1.4913	5.2359	1.4417	1.3731	2.8148	0.0000	5,942.7705	5,942.7705	1.9220		5,990.8208

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0405	0.4774	1.4700e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		146.5994	146.5994	4.1800e-003		146.7040
Total	0.0623	0.0405	0.4774	1.4700e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		146.5994	146.5994	4.1800e-003		146.7040

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	20.5998	169.8945	154.6300	0.3315		8.5063	8.5063		8.0775	8.0775		31,211.6112	31,211.6112	7.5198		31,399.6056
Total	20.5998	169.8945	154.6300	0.3315		8.5063	8.5063		8.0775	8.0775		31,211.6112	31,211.6112	7.5198		31,399.6056

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1845	6.2116	1.5830	0.0165	0.4130	0.0131	0.4260	0.1189	0.0125	0.1314		1,777.2469	1,777.2469	0.1270		1,780.4216
Worker	0.4082	0.2652	3.1298	9.6400e-003	0.9693	6.7000e-003	0.9760	0.2571	6.1700e-003	0.2633		961.0402	961.0402	0.0274		961.7259
Total	0.5926	6.4768	4.7128	0.0262	1.3823	0.0198	1.4020	0.3760	0.0187	0.3946		2,738.2871	2,738.2871	0.1544		2,742.1475

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	15.3023	112.9104	179.4006	0.3315		6.3227	6.3227		6.0877	6.0877	0.0000	31,211.6111	31,211.6111	7.5198		31,399.6056
Total	15.3023	112.9104	179.4006	0.3315		6.3227	6.3227		6.0877	6.0877	0.0000	31,211.6111	31,211.6111	7.5198		31,399.6056

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1845	6.2116	1.5830	0.0165	0.4130	0.0131	0.4260	0.1189	0.0125	0.1314		1,777.2469	1,777.2469	0.1270		1,780.4216
Worker	0.4082	0.2652	3.1298	9.6400e-003	0.9693	6.7000e-003	0.9760	0.2571	6.1700e-003	0.2633		961.0402	961.0402	0.0274		961.7259
Total	0.5926	6.4768	4.7128	0.0262	1.3823	0.0198	1.4020	0.3760	0.0187	0.3946		2,738.2871	2,738.2871	0.1544		2,742.1475

3.4 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	18.4315	145.8096	150.8615	0.3316		6.9752	6.9752		6.6388	6.6388		31,219.6042	31,219.6042	7.4771		31,406.5323
Total	18.4315	145.8096	150.8615	0.3316		6.9752	6.9752		6.6388	6.6388		31,219.6042	31,219.6042	7.4771		31,406.5323

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1715	5.8702	1.4992	0.0163	0.4130	0.0112	0.4242	0.1189	0.0107	0.1296		1,760.5440	1,760.5440	0.1231		1,763.6216
Worker	0.3859	0.2418	2.9103	9.2900e-003	0.9693	6.5500e-003	0.9759	0.2571	6.0300e-003	0.2632		925.7805	925.7805	0.0251		926.4091
Total	0.5574	6.1120	4.4095	0.0256	1.3823	0.0178	1.4001	0.3760	0.0168	0.3928		2,686.3245	2,686.3245	0.1482		2,690.0306

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	14.0086	102.9848	178.3146	0.3316		5.3205	5.3205		5.1356	5.1356	0.0000	31,219.6041	31,219.6041	7.4771		31,406.5323
Total	14.0086	102.9848	178.3146	0.3316		5.3205	5.3205		5.1356	5.1356	0.0000	31,219.6041	31,219.6041	7.4771		31,406.5323

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1715	5.8702	1.4992	0.0163	0.4130	0.0112	0.4242	0.1189	0.0107	0.1296		1,760.5440	1,760.5440	0.1231		1,763.6216
Worker	0.3859	0.2418	2.9103	9.2900e-003	0.9693	6.5500e-003	0.9759	0.2571	6.0300e-003	0.2632		925.7805	925.7805	0.0251		926.4091
Total	0.5574	6.1120	4.4095	0.0256	1.3823	0.0178	1.4001	0.3760	0.0168	0.3928		2,686.3245	2,686.3245	0.1482		2,690.0306

3.5 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	85.7583					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0909	7.5119	9.6725	0.0159		0.4358	0.4358		0.4358	0.4358		1,501.0563	1,501.0563	0.0977		1,503.4995
Total	86.8491	7.5119	9.6725	0.0159		0.4358	0.4358		0.4358	0.4358		1,501.0563	1,501.0563	0.0977		1,503.4995

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

3.5 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0785	0.0492	0.5919	1.8900e-003	0.1972	1.3300e-003	0.1985	0.0523	1.2300e-003	0.0535		188.2943	188.2943	5.1100e-003		188.4222
Total	0.0785	0.0492	0.5919	1.8900e-003	0.1972	1.3300e-003	0.1985	0.0523	1.2300e-003	0.0535		188.2943	188.2943	5.1100e-003		188.4222

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	85.7583					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0909	7.5119	9.6725	0.0159		0.4358	0.4358		0.4358	0.4358	0.0000	1,501.0563	1,501.0563	0.0977		1,503.4995
Total	86.8491	7.5119	9.6725	0.0159		0.4358	0.4358		0.4358	0.4358	0.0000	1,501.0563	1,501.0563	0.0977		1,503.4995

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

3.5 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0785	0.0492	0.5919	1.8900e-003	0.1972	1.3300e-003	0.1985	0.0523	1.2300e-003	0.0535		188.2943	188.2943	5.1100e-003		188.4222
Total	0.0785	0.0492	0.5919	1.8900e-003	0.1972	1.3300e-003	0.1985	0.0523	1.2300e-003	0.0535		188.2943	188.2943	5.1100e-003		188.4222

3.6 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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	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

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0491	0.0307	0.3700	1.1800e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		117.6840	117.6840	3.2000e-003		117.7639
Total	0.0491	0.0307	0.3700	1.1800e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		117.6840	117.6840	3.2000e-003		117.7639

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	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

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0491	0.0307	0.3700	1.1800e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		117.6840	117.6840	3.2000e-003		117.7639
Total	0.0491	0.0307	0.3700	1.1800e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		117.6840	117.6840	3.2000e-003		117.7639

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Destination Accessibility

Implement Trip Reduction Program

Encourage Telecommuting and Alternative Work Schedules

Market Commute Trip Reduction Option

Employee Vanpool/Shuttle

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.1203	40.3384	102.8615	0.4067	43.4124	0.2599	43.6722	11.5979	0.2413	11.8392		41,693.8558	41,693.8558	2.0157		41,744.2478
Unmitigated	11.0812	44.3109	124.2257	0.5074	55.1870	0.3184	55.5054	14.7435	0.2958	15.0393		51,980.2976	51,980.2976	2.4476		52,041.4865

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hospital	7,020.00	2,857.14	2523.69	14,564,057	11,456,681
Hospital	3,320.00	1,351.24	1193.54	6,887,845	5,418,259
Total	10,340.00	4,208.38	3,717.23	21,451,902	16,874,940

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
Hospital	9.50	7.30	7.30	64.90	16.10	19.00	73	25	2
Hospital	9.50	7.30	7.30	64.90	16.10	19.00	73	25	2

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.616428	0.037185	0.177402	0.097684	0.012090	0.005279	0.017663	0.025476	0.001931	0.001677	0.005617	0.000785	0.000782

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5222	4.7471	3.9876	0.0285		0.3608	0.3608		0.3608	0.3608		5,696.5122	5,696.5122	0.1092	0.1044	5,730.3637
NaturalGas Unmitigated	0.6338	5.7619	4.8400	0.0346		0.4379	0.4379		0.4379	0.4379		6,914.2967	6,914.2967	0.1325	0.1268	6,955.3849

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hospital	39901	0.4303	3.9119	3.2860	0.0235		0.2973	0.2973		0.2973	0.2973		4,694.2324	4,694.2324	0.0900	0.0861	4,722.1278
Hospital	18870.5	0.2035	1.8501	1.5541	0.0111		0.1406	0.1406		0.1406	0.1406		2,220.0643	2,220.0643	0.0426	0.0407	2,233.2571
Total		0.6338	5.7619	4.8400	0.0346		0.4379	0.4379		0.4379	0.4379		6,914.2967	6,914.2967	0.1325	0.1268	6,955.3849

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					
Hospital	15.547	0.1677	1.5242	1.2803	9.1500e-003		0.1158	0.1158		0.1158	0.1158		1,829.0542	1,829.0542	0.0351	0.0335	1,839.9234
Hospital	32.8734	0.3545	3.2229	2.7072	0.0193		0.2449	0.2449		0.2449	0.2449		3,867.4579	3,867.4579	0.0741	0.0709	3,890.4403
Total		0.5222	4.7471	3.9876	0.0285		0.3608	0.3608		0.3608	0.3608		5,696.5122	5,696.5122	0.1092	0.1044	5,730.3637

6.0 Area Detail

6.1 Mitigation Measures Area

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.8016	4.7000e-004	0.0519	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1116	0.1116	2.9000e-004		0.1188
Unmitigated	8.3937	4.7000e-004	0.0525	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1132	0.1132	2.9000e-004		0.1204

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4699					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.9190					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.8100e-003	4.7000e-004	0.0525	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1132	0.1132	2.9000e-004		0.1204
Total	8.3937	4.7000e-004	0.0525	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1132	0.1132	2.9000e-004		0.1204

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	0.4699					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.3269					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.7200e-003	4.7000e-004	0.0519	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1116	0.1116	2.9000e-004		0.1188
Total	7.8016	4.7000e-004	0.0519	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1116	0.1116	2.9000e-004		0.1188

Scripps Mercy Hospital I and II - San Diego Air Basin, Summer

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

Scripps Mercy Hospital I and II
San Diego Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	351.00	Bed	14.50	251,230.91	0
Hospital	166.00	Bed	8.72	118,815.76	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2030
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

Project Characteristics -

Land Use - Lot acreage adjusted to match 630,000 sqft for Hospital I and 380,000 sq ft for Hospital II.

Construction Phase - Construction will occur from 6/24/2024 through 2/28/2028, based on the phasing figure for Hospital I and II

Off-road Equipment - Coating equipment based on default with adjusted hours.

Off-road Equipment - Construction equipment based on equipment list.

Off-road Equipment - Grading equipment based on equipment list.

Off-road Equipment - Paving equipment as default.

Off-road Equipment - Site prep equipment based on default.

Trips and VMT -

Grading -

Architectural Coating - SDAPCD Rule 60.0.1. Architectural Coatings: 50 g/L VOC will be applied for interior and exterior paint. Traffic markings paints are listed as 100 g/L VOC.

Vehicle Trips - Trip rate from TIA, Dec 2020 shown as 20/bed (applied for week days). Weekend trips remain as default.

Area Coating - SDAPCD Rule 67.0.1 Architectural Coatings for reapplication: 50 g/L interior and exterior, with 100 g/L for parking lot paints

Construction Off-road Equipment Mitigation - Tier 4 engines will be implemented for clean fleet construction equipment, over 200 hp.

Area Mitigation - Use low VOC cleaning supplies and 3% electric landscaping

Energy Mitigation - 20% improvement for health care facilities assumed for the new 2022 Building Standards for health care facilities. 20% lighting energy reduction for non-residential per 2022 Stds.

Waste Mitigation - 25% reduction in waste for health care facility

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	100
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblGrading	AcresOfGrading	91.88	118.13
tblLandUse	LotAcreage	2.73	8.72
tblLandUse	LotAcreage	5.77	14.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	6.00	8.00

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

tblVehicleTrips	WD_TR	12.94	20.00
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2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	21.2571	176.3872	159.3346	0.3566	18.2141	8.5266	20.2596	9.9699	8.0966	11.8517	0.0000	33,845.0750	33,845.0750	7.6806	0.0000	34,037.0893
2022	86.9384	151.9313	155.2602	0.3562	1.3823	6.9934	8.3757	0.3760	6.6560	7.0320	0.0000	33,803.4303	33,803.4303	7.6314	0.0000	33,994.2159
Maximum	86.9384	176.3872	159.3346	0.3566	18.2141	8.5266	20.2596	9.9699	8.0966	11.8517	0.0000	33,845.0750	33,845.0750	7.6806	0.0000	34,037.0893

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					
2021	15.9596	119.4031	184.1052	0.3566	7.1937	6.3429	7.7252	3.9122	6.1068	6.4828	0.0000	33,845.0750	33,845.0750	7.6806	0.0000	34,037.0893
2022	86.9384	109.1065	182.7133	0.3562	1.3823	5.3387	6.7210	0.3760	5.1528	5.5288	0.0000	33,803.4303	33,803.4303	7.6314	0.0000	33,994.2158
Maximum	86.9384	119.4031	184.1052	0.3566	7.1937	6.3429	7.7252	3.9122	6.1068	6.4828	0.0000	33,845.0750	33,845.0750	7.6806	0.0000	34,037.0893

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	4.90	30.40	-16.60	0.00	56.24	24.73	49.55	58.55	23.68	36.39	0.00	0.00	0.00	0.00	0.00	0.00

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.3937	4.7000e-004	0.0525	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1132	0.1132	2.9000e-004		0.1204
Energy	0.6338	5.7619	4.8400	0.0346		0.4379	0.4379		0.4379	0.4379		6,914.2967	6,914.2967	0.1325	0.1268	6,955.3849
Mobile	10.6933	45.1398	122.1473	0.4819	55.1870	0.3195	55.5065	14.7435	0.2968	15.0403		49,394.2457	49,394.2457	2.4653		49,455.8776
Total	19.7208	50.9022	127.0399	0.5165	55.1870	0.7576	55.9446	14.7435	0.7349	15.4784		56,308.6556	56,308.6556	2.5981	0.1268	56,411.3830

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.8016	4.7000e-004	0.0519	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1116	0.1116	2.9000e-004		0.1188
Energy	0.5222	4.7471	3.9876	0.0285		0.3608	0.3608		0.3608	0.3608		5,696.5122	5,696.5122	0.1092	0.1044	5,730.3637
Mobile	9.7470	40.9033	102.5851	0.3860	43.4124	0.2609	43.6733	11.5979	0.2424	11.8402		39,584.2387	39,584.2387	2.0428		39,635.3093
Total	18.0708	45.6509	106.6246	0.4145	43.4124	0.6219	44.0343	11.5979	0.6033	12.2012		45,280.8624	45,280.8624	2.1523	0.1044	45,365.7917

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	8.37	10.32	16.07	19.75	21.34	17.91	21.29	21.34	17.90	21.17	0.00	19.58	19.58	17.16	17.61	19.58

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	2/19/2021	3/4/2021	5	10	
2	Grading	Grading	3/5/2021	4/22/2021	5	35	
3	Building Construction	Building Construction	4/23/2021	9/22/2022	5	370	
4	Architectural Coating	Architectural Coating	10/21/2022	11/17/2022	5	20	
5	Paving	Paving	9/23/2022	10/20/2022	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 118.13

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 555,070; Non-Residential Outdoor: 185,023; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	10.00	158	0.38
Grading	Graders	1	10.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	10.00	97	0.37
Building Construction	Air Compressors	2	10.00	78	0.48
Building Construction	Bore/Drill Rigs	1	10.00	221	0.50
Building Construction	Cement and Mortar Mixers	15	10.00	9	0.56
Building Construction	Concrete/Industrial Saws	6	10.00	81	0.73
Building Construction	Cranes	2	10.00	231	0.29
Building Construction	Forklifts	2	10.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Off-Highway Trucks	8	10.00	402	0.38
Building Construction	Other General Industrial Equipment	7	10.00	88	0.34
Building Construction	Other General Industrial Equipment	6	10.00	88	0.34
Building Construction	Plate Compactors	2	10.00	8	0.43
Building Construction	Pumps	2	10.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	10.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Building Construction	Welders	6	10.00	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	4	8.00	78	0.48

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

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	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	64	118.00	61.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	4	24.00	0.00	0.00	10.80	7.30	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 - 2021

Unmitigated Construction On-Site

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

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0706	0.0454	0.4488	1.3800e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		137.6186	137.6186	3.9500e-003		137.7174
Total	0.0706	0.0454	0.4488	1.3800e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		137.6186	137.6186	3.9500e-003		137.7174

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0628	8.9424	20.5417	0.0380		0.4889	0.4889		0.4532	0.4532	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	1.0628	8.9424	20.5417	0.0380	7.0458	0.4889	7.5348	3.8730	0.4532	4.3261	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0706	0.0454	0.4488	1.3800e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		137.6186	137.6186	3.9500e-003		137.7174
Total	0.0706	0.0454	0.4488	1.3800e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		137.6186	137.6186	3.9500e-003		137.7174

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.6014	0.0000	9.6014	3.6967	0.0000	3.6967			0.0000			0.0000
Off-Road	4.2262	47.2138	29.9965	0.0614		2.0098	2.0098		1.8490	1.8490		5,942.7705	5,942.7705	1.9220		5,990.8208
Total	4.2262	47.2138	29.9965	0.0614	9.6014	2.0098	11.6113	3.6967	1.8490	5.5457		5,942.7705	5,942.7705	1.9220		5,990.8208

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0706	0.0454	0.4488	1.3800e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		137.6186	137.6186	3.9500e-003		137.7174
Total	0.0706	0.0454	0.4488	1.3800e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		137.6186	137.6186	3.9500e-003		137.7174

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.7446	0.0000	3.7446	1.4417	0.0000	1.4417			0.0000			0.0000
Off-Road	3.2844	36.6956	29.7923	0.0614		1.4913	1.4913		1.3731	1.3731	0.0000	5,942.7705	5,942.7705	1.9220		5,990.8208
Total	3.2844	36.6956	29.7923	0.0614	3.7446	1.4913	5.2359	1.4417	1.3731	2.8148	0.0000	5,942.7705	5,942.7705	1.9220		5,990.8208

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0706	0.0454	0.4488	1.3800e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		137.6186	137.6186	3.9500e-003		137.7174
Total	0.0706	0.0454	0.4488	1.3800e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		137.6186	137.6186	3.9500e-003		137.7174

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	20.5998	169.8945	154.6300	0.3315		8.5063	8.5063		8.0775	8.0775		31,211.6112	31,211.6112	7.5198		31,399.6056
Total	20.5998	169.8945	154.6300	0.3315		8.5063	8.5063		8.0775	8.0775		31,211.6112	31,211.6112	7.5198		31,399.6056

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1944	6.1951	1.7626	0.0161	0.4130	0.0136	0.4265	0.1189	0.0130	0.1319		1,731.2977	1,731.2977	0.1349		1,734.6696
Worker	0.4629	0.2977	2.9420	9.0500e-003	0.9693	6.7000e-003	0.9760	0.2571	6.1700e-003	0.2633		902.1661	902.1661	0.0259		902.8141
Total	0.6573	6.4927	4.7046	0.0252	1.3823	0.0203	1.4026	0.3760	0.0192	0.3951		2,633.4639	2,633.4639	0.1608		2,637.4837

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	15.3023	112.9104	179.4006	0.3315		6.3227	6.3227		6.0877	6.0877	0.0000	31,211.6111	31,211.6111	7.5198		31,399.6056
Total	15.3023	112.9104	179.4006	0.3315		6.3227	6.3227		6.0877	6.0877	0.0000	31,211.6111	31,211.6111	7.5198		31,399.6056

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1944	6.1951	1.7626	0.0161	0.4130	0.0136	0.4265	0.1189	0.0130	0.1319		1,731.2977	1,731.2977	0.1349		1,734.6696
Worker	0.4629	0.2977	2.9420	9.0500e-003	0.9693	6.7000e-003	0.9760	0.2571	6.1700e-003	0.2633		902.1661	902.1661	0.0259		902.8141
Total	0.6573	6.4927	4.7046	0.0252	1.3823	0.0203	1.4026	0.3760	0.0192	0.3951		2,633.4639	2,633.4639	0.1608		2,637.4837

3.4 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	18.4315	145.8096	150.8615	0.3316		6.9752	6.9752		6.6388	6.6388		31,219.6042	31,219.6042	7.4771		31,406.5323
Total	18.4315	145.8096	150.8615	0.3316		6.9752	6.9752		6.6388	6.6388		31,219.6042	31,219.6042	7.4771		31,406.5323

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1809	5.8503	1.6689	0.0159	0.4130	0.0117	0.4246	0.1189	0.0112	0.1301		1,714.7260	1,714.7260	0.1306		1,717.9901
Worker	0.4386	0.2714	2.7299	8.7200e-003	0.9693	6.5500e-003	0.9759	0.2571	6.0300e-003	0.2632		869.1002	869.1002	0.0237		869.6934
Total	0.6195	6.1217	4.3988	0.0246	1.3823	0.0183	1.4005	0.3760	0.0172	0.3932		2,583.8262	2,583.8262	0.1543		2,587.6836

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	14.0086	102.9848	178.3146	0.3316		5.3205	5.3205		5.1356	5.1356	0.0000	31,219.6041	31,219.6041	7.4771		31,406.5323
Total	14.0086	102.9848	178.3146	0.3316		5.3205	5.3205		5.1356	5.1356	0.0000	31,219.6041	31,219.6041	7.4771		31,406.5323

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1809	5.8503	1.6689	0.0159	0.4130	0.0117	0.4246	0.1189	0.0112	0.1301		1,714.7260	1,714.7260	0.1306		1,717.9901
Worker	0.4386	0.2714	2.7299	8.7200e-003	0.9693	6.5500e-003	0.9759	0.2571	6.0300e-003	0.2632		869.1002	869.1002	0.0237		869.6934
Total	0.6195	6.1217	4.3988	0.0246	1.3823	0.0183	1.4005	0.3760	0.0172	0.3932		2,583.8262	2,583.8262	0.1543		2,587.6836

3.5 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	85.7583					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0909	7.5119	9.6725	0.0159		0.4358	0.4358		0.4358	0.4358		1,501.0563	1,501.0563	0.0977		1,503.4995
Total	86.8491	7.5119	9.6725	0.0159		0.4358	0.4358		0.4358	0.4358		1,501.0563	1,501.0563	0.0977		1,503.4995

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

3.5 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0892	0.0552	0.5552	1.7700e-003	0.1972	1.3300e-003	0.1985	0.0523	1.2300e-003	0.0535		176.7661	176.7661	4.8300e-003		176.8868
Total	0.0892	0.0552	0.5552	1.7700e-003	0.1972	1.3300e-003	0.1985	0.0523	1.2300e-003	0.0535		176.7661	176.7661	4.8300e-003		176.8868

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	85.7583					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0909	7.5119	9.6725	0.0159		0.4358	0.4358		0.4358	0.4358	0.0000	1,501.0563	1,501.0563	0.0977		1,503.4995
Total	86.8491	7.5119	9.6725	0.0159		0.4358	0.4358		0.4358	0.4358	0.0000	1,501.0563	1,501.0563	0.0977		1,503.4995

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

3.5 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0892	0.0552	0.5552	1.7700e-003	0.1972	1.3300e-003	0.1985	0.0523	1.2300e-003	0.0535		176.7661	176.7661	4.8300e-003		176.8868
Total	0.0892	0.0552	0.5552	1.7700e-003	0.1972	1.3300e-003	0.1985	0.0523	1.2300e-003	0.0535		176.7661	176.7661	4.8300e-003		176.8868

3.6 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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	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

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0558	0.0345	0.3470	1.1100e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		110.4788	110.4788	3.0200e-003		110.5543
Total	0.0558	0.0345	0.3470	1.1100e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		110.4788	110.4788	3.0200e-003		110.5543

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	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

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0558	0.0345	0.3470	1.1100e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		110.4788	110.4788	3.0200e-003		110.5543
Total	0.0558	0.0345	0.3470	1.1100e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		110.4788	110.4788	3.0200e-003		110.5543

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

- Improve Destination Accessibility
- Implement Trip Reduction Program
- Encourage Telecommuting and Alternative Work Schedules
- Market Commute Trip Reduction Option
- Employee Vanpool/Shuttle

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.7470	40.9033	102.5851	0.3860	43.4124	0.2609	43.6733	11.5979	0.2424	11.8402		39,584.2387	39,584.2387	2.0428		39,635.3093
Unmitigated	10.6933	45.1398	122.1473	0.4819	55.1870	0.3195	55.5065	14.7435	0.2968	15.0403		49,394.2457	49,394.2457	2.4653		49,455.8776

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hospital	7,020.00	2,857.14	2523.69	14,564,057	11,456,681
Hospital	3,320.00	1,351.24	1193.54	6,887,845	5,418,259
Total	10,340.00	4,208.38	3,717.23	21,451,902	16,874,940

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
Hospital	9.50	7.30	7.30	64.90	16.10	19.00	73	25	2
Hospital	9.50	7.30	7.30	64.90	16.10	19.00	73	25	2

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.616428	0.037185	0.177402	0.097684	0.012090	0.005279	0.017663	0.025476	0.001931	0.001677	0.005617	0.000785	0.000782

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5222	4.7471	3.9876	0.0285		0.3608	0.3608		0.3608	0.3608		5,696.5122	5,696.5122	0.1092	0.1044	5,730.3637
NaturalGas Unmitigated	0.6338	5.7619	4.8400	0.0346		0.4379	0.4379		0.4379	0.4379		6,914.2967	6,914.2967	0.1325	0.1268	6,955.3849

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hospital	39901	0.4303	3.9119	3.2860	0.0235		0.2973	0.2973		0.2973	0.2973		4,694.2324	4,694.2324	0.0900	0.0861	4,722.1278
Hospital	18870.5	0.2035	1.8501	1.5541	0.0111		0.1406	0.1406		0.1406	0.1406		2,220.0643	2,220.0643	0.0426	0.0407	2,233.2571
Total		0.6338	5.7619	4.8400	0.0346		0.4379	0.4379		0.4379	0.4379		6,914.2967	6,914.2967	0.1325	0.1268	6,955.3849

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					
Hospital	15.547	0.1677	1.5242	1.2803	9.1500e-003		0.1158	0.1158		0.1158	0.1158		1,829.0542	1,829.0542	0.0351	0.0335	1,839.9234
Hospital	32.8734	0.3545	3.2229	2.7072	0.0193		0.2449	0.2449		0.2449	0.2449		3,867.4579	3,867.4579	0.0741	0.0709	3,890.4403
Total		0.5222	4.7471	3.9876	0.0285		0.3608	0.3608		0.3608	0.3608		5,696.5122	5,696.5122	0.1092	0.1044	5,730.3637

6.0 Area Detail

6.1 Mitigation Measures Area

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.8016	4.7000e-004	0.0519	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1116	0.1116	2.9000e-004		0.1188
Unmitigated	8.3937	4.7000e-004	0.0525	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1132	0.1132	2.9000e-004		0.1204

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4699					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.9190					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.8100e-003	4.7000e-004	0.0525	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1132	0.1132	2.9000e-004		0.1204
Total	8.3937	4.7000e-004	0.0525	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1132	0.1132	2.9000e-004		0.1204

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	0.4699					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.3269					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.7200e-003	4.7000e-004	0.0519	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1116	0.1116	2.9000e-004		0.1188
Total	7.8016	4.7000e-004	0.0519	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1116	0.1116	2.9000e-004		0.1188

Scripps Mercy Hospital I and II - San Diego Air Basin, Winter

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Scripps Mercy HSB Construction - San Diego Air Basin, Annual

Scripps Mercy HSB Construction
San Diego Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	65.00	1000sqft	1.49	65,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2030
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Scripps Mercy HSB Construction - San Diego Air Basin, Annual

Project Characteristics -

Land Use -

Construction Phase - Construction will occur from 7/24/2024 through 7/27/2027, based on the phasing figure for HSB.

Off-road Equipment - Coating equipment based on equipment list.

Off-road Equipment - Construction equipment based on equipment list.

Off-road Equipment - Excavation phase equipment based on equipment list.

Off-road Equipment - Grading equipment based on equipment list.

Off-road Equipment - Paving equipment based on default equipment mix.

Off-road Equipment - Site Prep equipment based on equipment list.

Trips and VMT - Soil export trips associated with hauling may occur during grading or excavation phase.

Grading - Total acreage to be prepped and graded.

Architectural Coating - SDAPCD Rule 60.0.1. Architectural Coatings: 50 g/L VOC will be applied for interior and exterior paint. Traffic markings paints are listed as 100 g/L VOC.

Vehicle Trips - Trip rate from TIA, Dec 2020 shown as 20/ksf (applied for week days). Weekend trips remain as default.

Area Coating - SDAPCD Rule 67.0.1 Architectural Coatings for reapplication: 50 g/L interior and exterior, with 100 g/L for parking lot paints

Construction Off-road Equipment Mitigation - Tier 4 engines will be implemented for clean fleet construction equipment, over 200 hp.

Area Mitigation -

Energy Mitigation - 20% improvement for health care facilities assumed for the new 2022 Building Standards for health care facilities. 20% lighting energy reduction for non-residential per 2022 Stds.

Waste Mitigation - 25% reduction in waste for health care facility

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00

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tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	100
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	2.00	5.00
tblConstructionPhase	NumDays	4.00	75.00
tblConstructionPhase	NumDays	200.00	592.00
tblConstructionPhase	NumDays	10.00	148.00
tblConstructionPhase	NumDays	10.00	52.00
tblGrading	AcresOfGrading	46.88	1.50
tblGrading	AcresOfGrading	3.13	1.50
tblGrading	MaterialExported	0.00	21,188.00
tblOffRoadEquipment	HorsePower	221.00	172.00
tblOffRoadEquipment	HorsePower	8.00	78.00
tblOffRoadEquipment	LoadFactor	0.50	0.42
tblOffRoadEquipment	LoadFactor	0.43	0.48
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	UsageHours	6.00	10.00

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tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblTripsAndVMT	HaulingTripNumber	2,649.00	2,648.00
tblTripsAndVMT	HaulingTripNumber	2,649.00	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,648.00
tblVehicleTrips	WD_TR	11.03	20.00

2.0 Emissions Summary

Scripps Mercy HSB Construction - San Diego Air Basin, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.2466	2.2307	1.9358	6.9600e-003	0.3968	0.0754	0.4722	0.1901	0.0698	0.2599	0.0000	629.7250	629.7250	0.1564	0.0000	633.6359
2025	1.1365	8.0953	10.4835	0.0265	0.0446	0.3125	0.3571	0.0119	0.2977	0.3096	0.0000	2,283.6300	2,283.6300	0.5429	0.0000	2,297.2013
2026	1.5199	10.7993	14.1076	0.0345	0.0315	0.4224	0.4539	8.5900e-003	0.4031	0.4117	0.0000	2,962.1099	2,962.1099	0.6932	0.0000	2,979.4396
2027	1.0710	6.5448	8.6834	0.0207	0.0230	0.2586	0.2816	6.2200e-003	0.2472	0.2534	0.0000	1,776.3807	1,776.3807	0.4063	0.0000	1,786.5373
Maximum	1.5199	10.7993	14.1076	0.0345	0.3968	0.4224	0.4722	0.1901	0.4031	0.4117	0.0000	2,962.1099	2,962.1099	0.6932	0.0000	2,979.4396

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2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.1396	1.2894	2.5900	6.9600e-003	0.2112	0.0373	0.2485	0.0889	0.0352	0.1241	0.0000	629.7244	629.7244	0.1564	0.0000	633.6353
2025	0.7886	5.5727	13.3617	0.0265	0.0446	0.2162	0.2608	0.0119	0.2109	0.2228	0.0000	2,283.6274	2,283.6274	0.5429	0.0000	2,297.1986
2026	1.0682	7.5066	17.8264	0.0345	0.0315	0.2964	0.3279	8.5900e-003	0.2896	0.2982	0.0000	2,962.1064	2,962.1064	0.6932	0.0000	2,979.4361
2027	0.8148	4.6776	10.7922	0.0207	0.0230	0.1872	0.2102	6.2200e-003	0.1829	0.1891	0.0000	1,776.3786	1,776.3786	0.4063	0.0000	1,786.5352
Maximum	1.0682	7.5066	17.8264	0.0345	0.2112	0.2964	0.3279	0.0889	0.2896	0.2982	0.0000	2,962.1064	2,962.1064	0.6932	0.0000	2,979.4361

	ROG	NOx	CO	SO2	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	29.26	31.17	-26.58	0.00	37.42	31.04	33.06	46.68	29.40	32.44	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	7-1-2024	9-30-2024	1.3009	0.7491
2	10-1-2024	12-31-2024	1.1725	0.6760
3	1-1-2025	3-31-2025	0.4816	0.2822
4	4-1-2025	6-30-2025	2.5062	1.7321
5	7-1-2025	9-30-2025	3.1020	2.1592
6	10-1-2025	12-31-2025	3.1023	2.1595
7	1-1-2026	3-31-2026	3.0343	2.1120
8	4-1-2026	6-30-2026	3.0677	2.1352

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9	7-1-2026	9-30-2026	3.1014	2.1587
10	10-1-2026	12-31-2026	3.1018	2.1590
11	1-1-2027	3-31-2027	3.2408	2.3186
12	4-1-2027	6-30-2027	3.3764	2.4438
13	7-1-2027	9-30-2027	1.0295	0.7528
		Highest	3.3764	2.4438

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	0.2690	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1600e-003	1.1600e-003	0.0000	0.0000	1.2400e-003
Energy	7.0800e-003	0.0643	0.0540	3.9000e-004		4.8900e-003	4.8900e-003		4.8900e-003	4.8900e-003	0.0000	355.5321	355.5321	0.0128	3.6600e-003	356.9441
Mobile	0.1728	0.7495	1.9640	7.8400e-003	0.8652	5.1500e-003	0.8703	0.2316	4.7800e-003	0.2364	0.0000	729.2903	729.2903	0.0359	0.0000	730.1872
Waste						0.0000	0.0000		0.0000	0.0000	12.2708	0.0000	12.2708	0.7252	0.0000	30.4004
Water						0.0000	0.0000		0.0000	0.0000	3.6651	74.8699	78.5351	0.3795	9.5100e-003	90.8562
Total	0.4489	0.8139	2.0186	8.2300e-003	0.8652	0.0100	0.8752	0.2316	9.6700e-003	0.2413	15.9359	1,159.6935	1,175.6294	1.1534	0.0132	1,208.3890

Scripps Mercy HSB Construction - San Diego Air Basin, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2500	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1500e-003	1.1500e-003	0.0000	0.0000	1.2200e-003
Energy	5.9600e-003	0.0541	0.0455	3.2000e-004		4.1100e-003	4.1100e-003		4.1100e-003	4.1100e-003	0.0000	308.4545	308.4545	0.0112	3.1600e-003	309.6750
Mobile	0.1576	0.6818	1.6470	6.2900e-003	0.6804	4.2100e-003	0.6847	0.1821	3.9100e-003	0.1861	0.0000	585.4325	585.4325	0.0297	0.0000	586.1753
Waste						0.0000	0.0000		0.0000	0.0000	9.2031	0.0000	9.2031	0.5439	0.0000	22.8003
Water						0.0000	0.0000		0.0000	0.0000	3.6651	74.8699	78.5351	0.3795	9.5100e-003	90.8562
Total	0.4136	0.7359	1.6930	6.6100e-003	0.6804	8.3200e-003	0.6888	0.1821	8.0200e-003	0.1902	12.8682	968.7581	981.6263	0.9642	0.0127	1,009.5080

	ROG	NOx	CO	SO2	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	7.87	9.58	16.13	19.68	21.35	17.13	21.30	21.35	17.06	21.18	19.25	16.46	16.50	16.40	3.80	16.46

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/24/2024	7/30/2024	5	5	
2	Grading	Grading	7/31/2024	11/12/2024	5	75	
3	Excavation	Trenching	7/31/2024	4/21/2025	5	189	
4	Building Construction	Building Construction	4/21/2025	7/27/2027	5	592	
5	Architectural Coating	Architectural Coating	1/1/2027	7/27/2027	5	148	
6	Paving	Paving	5/15/2027	7/27/2027	5	52	

Acres of Grading (Site Preparation Phase): 1.5

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 97,500; Non-Residential Outdoor: 32,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	10.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	10.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Grading	Forklifts	1	10.00	89	0.20
Grading	Generator Sets	1	10.00	84	0.74
Grading	Graders	1	10.00	187	0.41
Grading	Off-Highway Trucks	2	10.00	402	0.38
Grading	Plate Compactors	2	10.00	78	0.48
Grading	Rubber Tired Dozers	1	10.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	10.00	97	0.37

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Grading	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Excavation	Excavators	1	10.00	158	0.38
Excavation	Off-Highway Trucks	2	10.00	402	0.38
Excavation	Rubber Tired Loaders	1	10.00	203	0.36
Building Construction	Air Compressors	2	10.00	78	0.48
Building Construction	Bore/Drill Rigs	1	10.00	172	0.42
Building Construction	Cement and Mortar Mixers	10	10.00	9	0.56
Building Construction	Concrete/Industrial Saws	4	10.00	81	0.73
Building Construction	Cranes	1	10.00	231	0.29
Building Construction	Forklifts	1	10.00	89	0.20
Building Construction	Generator Sets	1	10.00	84	0.74
Building Construction	Off-Highway Trucks	8	10.00	402	0.38
Building Construction	Other General Industrial Equipment	6	10.00	88	0.34
Building Construction	Pumps	2	10.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Building Construction	Welders	4	10.00	46	0.45
Architectural Coating	Air Compressors	2	10.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Scripps Mercy HSB Construction - San Diego Air Basin, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	10	25.00	0.00	2,648.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	10	25.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Excavation	4	10.00	0.00	2,648.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	41	21.00	11.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	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 - 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					
Fugitive Dust					0.0196	0.0000	0.0196	0.0104	0.0000	0.0104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7300e-003	0.0398	0.0220	6.0000e-005		1.6300e-003	1.6300e-003		1.5000e-003	1.5000e-003	0.0000	5.0158	5.0158	1.6200e-003	0.0000	5.0563
Total	3.7300e-003	0.0398	0.0220	6.0000e-005	0.0196	1.6300e-003	0.0212	0.0104	1.5000e-003	0.0119	0.0000	5.0158	5.0158	1.6200e-003	0.0000	5.0563

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3.2 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	4.0000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1247	0.1247	0.0000	0.0000	0.1248
Total	6.0000e-005	4.0000e-005	4.0000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1247	0.1247	0.0000	0.0000	0.1248

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.6500e-003	0.0000	7.6500e-003	4.0700e-003	0.0000	4.0700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8800e-003	0.0189	0.0241	6.0000e-005		6.7000e-004	6.7000e-004		6.2000e-004	6.2000e-004	0.0000	5.0158	5.0158	1.6200e-003	0.0000	5.0563
Total	1.8800e-003	0.0189	0.0241	6.0000e-005	7.6500e-003	6.7000e-004	8.3200e-003	4.0700e-003	6.2000e-004	4.6900e-003	0.0000	5.0158	5.0158	1.6200e-003	0.0000	5.0563

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3.2 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	4.0000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1247	0.1247	0.0000	0.0000	0.1248
Total	6.0000e-005	4.0000e-005	4.0000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1247	0.1247	0.0000	0.0000	0.1248

3.3 Grading - 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					
Fugitive Dust					0.2846	0.0000	0.2846	0.1555	0.0000	0.1555	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1271	1.1374	0.9639	2.6200e-003		0.0464	0.0464		0.0431	0.0431	0.0000	229.7497	229.7497	0.0668	0.0000	231.4199
Total	0.1271	1.1374	0.9639	2.6200e-003	0.2846	0.0464	0.3310	0.1555	0.0431	0.1986	0.0000	229.7497	229.7497	0.0668	0.0000	231.4199

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3.3 Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.5700e-003	0.2117	0.0800	9.5000e-004	0.0397	3.9000e-004	0.0401	0.0104	3.8000e-004	0.0108	0.0000	95.4735	95.4735	8.6400e-003	0.0000	95.6895
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5600e-003	3.5500e-003	0.0377	1.3000e-004	0.0281	1.0000e-004	0.0282	7.1900e-003	9.0000e-005	7.2800e-003	0.0000	11.6909	11.6909	2.9000e-004	0.0000	11.6981
Total	0.0121	0.2152	0.1177	1.0800e-003	0.0677	4.9000e-004	0.0682	0.0176	4.7000e-004	0.0181	0.0000	107.1644	107.1644	8.9300e-003	0.0000	107.3876

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1110	0.0000	0.1110	0.0606	0.0000	0.0606	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0680	0.5782	1.2478	2.6200e-003		0.0228	0.0228		0.0216	0.0216	0.0000	229.7494	229.7494	0.0668	0.0000	231.4197
Total	0.0680	0.5782	1.2478	2.6200e-003	0.1110	0.0228	0.1338	0.0606	0.0216	0.0823	0.0000	229.7494	229.7494	0.0668	0.0000	231.4197

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3.3 Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.5700e-003	0.2117	0.0800	9.5000e-004	0.0397	3.9000e-004	0.0401	0.0104	3.8000e-004	0.0108	0.0000	95.4735	95.4735	8.6400e-003	0.0000	95.6895
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5600e-003	3.5500e-003	0.0377	1.3000e-004	0.0281	1.0000e-004	0.0282	7.1900e-003	9.0000e-005	7.2800e-003	0.0000	11.6909	11.6909	2.9000e-004	0.0000	11.6981
Total	0.0121	0.2152	0.1177	1.0800e-003	0.0677	4.9000e-004	0.0682	0.0176	4.7000e-004	0.0181	0.0000	107.1644	107.1644	8.9300e-003	0.0000	107.3876

3.4 Excavation - 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	0.0982	0.7141	0.7742	2.6000e-003		0.0266	0.0266		0.0245	0.0245	0.0000	228.6745	228.6745	0.0740	0.0000	230.5235
Total	0.0982	0.7141	0.7742	2.6000e-003		0.0266	0.0266		0.0245	0.0245	0.0000	228.6745	228.6745	0.0740	0.0000	230.5235

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3.4 Excavation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.8200e-003	0.1232	0.0466	5.5000e-004	0.0203	2.3000e-004	0.0205	5.3700e-003	2.2000e-004	5.5900e-003	0.0000	55.5666	55.5666	5.0300e-003	0.0000	55.6923
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6300e-003	1.0400e-003	0.0111	4.0000e-005	4.4100e-003	3.0000e-005	4.4400e-003	1.1700e-003	3.0000e-005	1.2000e-003	0.0000	3.4293	3.4293	8.0000e-005	0.0000	3.4314
Total	5.4500e-003	0.1243	0.0576	5.9000e-004	0.0247	2.6000e-004	0.0250	6.5400e-003	2.5000e-004	6.7900e-003	0.0000	58.9959	58.9959	5.1100e-003	0.0000	59.1237

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0521	0.3528	1.1423	2.6000e-003		0.0131	0.0131		0.0123	0.0123	0.0000	228.6743	228.6743	0.0740	0.0000	230.5232
Total	0.0521	0.3528	1.1423	2.6000e-003		0.0131	0.0131		0.0123	0.0123	0.0000	228.6743	228.6743	0.0740	0.0000	230.5232

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3.4 Excavation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.8200e-003	0.1232	0.0466	5.5000e-004	0.0203	2.3000e-004	0.0205	5.3700e-003	2.2000e-004	5.5900e-003	0.0000	55.5666	55.5666	5.0300e-003	0.0000	55.6923
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6300e-003	1.0400e-003	0.0111	4.0000e-005	4.4100e-003	3.0000e-005	4.4400e-003	1.1700e-003	3.0000e-005	1.2000e-003	0.0000	3.4293	3.4293	8.0000e-005	0.0000	3.4314
Total	5.4500e-003	0.1243	0.0576	5.9000e-004	0.0247	2.6000e-004	0.0250	6.5400e-003	2.5000e-004	6.7900e-003	0.0000	58.9959	58.9959	5.1100e-003	0.0000	59.1237

3.4 Excavation - 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	0.0667	0.4351	0.5482	1.8700e-003		0.0162	0.0162		0.0149	0.0149	0.0000	164.1775	164.1775	0.0531	0.0000	165.5050
Total	0.0667	0.4351	0.5482	1.8700e-003		0.0162	0.0162		0.0149	0.0149	0.0000	164.1775	164.1775	0.0531	0.0000	165.5050

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3.4 Excavation - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.7000e-003	0.0862	0.0339	3.9000e-004	0.0194	1.6000e-004	0.0195	5.0300e-003	1.5000e-004	5.1900e-003	0.0000	39.6429	39.6429	3.6300e-003	0.0000	39.7337
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1200e-003	6.9000e-004	7.4100e-003	3.0000e-005	3.1700e-003	2.0000e-005	3.1900e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.3633	2.3633	6.0000e-005	0.0000	2.3647
Total	3.8200e-003	0.0869	0.0413	4.2000e-004	0.0226	1.8000e-004	0.0227	5.8700e-003	1.7000e-004	6.0500e-003	0.0000	42.0062	42.0062	3.6900e-003	0.0000	42.0984

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0355	0.2213	0.8189	1.8700e-003		8.1700e-003	8.1700e-003		7.6900e-003	7.6900e-003	0.0000	164.1773	164.1773	0.0531	0.0000	165.5048
Total	0.0355	0.2213	0.8189	1.8700e-003		8.1700e-003	8.1700e-003		7.6900e-003	7.6900e-003	0.0000	164.1773	164.1773	0.0531	0.0000	165.5048

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3.4 Excavation - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.7000e-003	0.0862	0.0339	3.9000e-004	0.0194	1.6000e-004	0.0195	5.0300e-003	1.5000e-004	5.1900e-003	0.0000	39.6429	39.6429	3.6300e-003	0.0000	39.7337
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1200e-003	6.9000e-004	7.4100e-003	3.0000e-005	3.1700e-003	2.0000e-005	3.1900e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.3633	2.3633	6.0000e-005	0.0000	2.3647
Total	3.8200e-003	0.0869	0.0413	4.2000e-004	0.0226	1.8000e-004	0.0227	5.8700e-003	1.7000e-004	6.0500e-003	0.0000	42.0062	42.0062	3.6900e-003	0.0000	42.0984

3.5 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	1.0584	7.4954	9.8354	0.0238		0.2960	0.2960		0.2825	0.2825	0.0000	2,040.8564	2,040.8564	0.4841	0.0000	2,052.9589
Total	1.0584	7.4954	9.8354	0.0238		0.2960	0.2960		0.2825	0.2825	0.0000	2,040.8564	2,040.8564	0.4841	0.0000	2,052.9589

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3.5 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0900e-003	0.0746	0.0226	2.6000e-004	6.6800e-003	9.0000e-005	6.7700e-003	1.9300e-003	8.0000e-005	2.0100e-003	0.0000	25.0935	25.0935	1.6900e-003	0.0000	25.1357
Worker	5.4400e-003	3.3500e-003	0.0360	1.3000e-004	0.0154	1.0000e-004	0.0155	4.0900e-003	9.0000e-005	4.1900e-003	0.0000	11.4965	11.4965	2.7000e-004	0.0000	11.5033
Total	7.5300e-003	0.0779	0.0586	3.9000e-004	0.0221	1.9000e-004	0.0223	6.0200e-003	1.7000e-004	6.2000e-003	0.0000	36.5900	36.5900	1.9600e-003	0.0000	36.6390

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7417	5.1866	12.4429	0.0238		0.2076	0.2076		0.2029	0.2029	0.0000	2,040.8539	2,040.8539	0.4841	0.0000	2,052.9565
Total	0.7417	5.1866	12.4429	0.0238		0.2076	0.2076		0.2029	0.2029	0.0000	2,040.8539	2,040.8539	0.4841	0.0000	2,052.9565

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3.5 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0900e-003	0.0746	0.0226	2.6000e-004	6.6800e-003	9.0000e-005	6.7700e-003	1.9300e-003	8.0000e-005	2.0100e-003	0.0000	25.0935	25.0935	1.6900e-003	0.0000	25.1357
Worker	5.4400e-003	3.3500e-003	0.0360	1.3000e-004	0.0154	1.0000e-004	0.0155	4.0900e-003	9.0000e-005	4.1900e-003	0.0000	11.4965	11.4965	2.7000e-004	0.0000	11.5033
Total	7.5300e-003	0.0779	0.0586	3.9000e-004	0.0221	1.9000e-004	0.0223	6.0200e-003	1.7000e-004	6.2000e-003	0.0000	36.5900	36.5900	1.9600e-003	0.0000	36.6390

3.5 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	tons/yr										MT/yr					
Off-Road	1.5096	10.6901	14.0276	0.0339		0.4221	0.4221		0.4029	0.4029	0.0000	2,910.7296	2,910.7296	0.6904	0.0000	2,927.9906
Total	1.5096	10.6901	14.0276	0.0339		0.4221	0.4221		0.4029	0.4029	0.0000	2,910.7296	2,910.7296	0.6904	0.0000	2,927.9906

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3.5 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9000e-003	0.1048	0.0317	3.6000e-004	9.5300e-003	1.2000e-004	9.6500e-003	2.7500e-003	1.1000e-004	2.8700e-003	0.0000	35.5842	35.5842	2.3800e-003	0.0000	35.6438
Worker	7.4400e-003	4.4500e-003	0.0483	1.7000e-004	0.0220	1.4000e-004	0.0221	5.8400e-003	1.3000e-004	5.9700e-003	0.0000	15.7961	15.7961	3.6000e-004	0.0000	15.8052
Total	0.0103	0.1093	0.0800	5.3000e-004	0.0315	2.6000e-004	0.0318	8.5900e-003	2.4000e-004	8.8400e-003	0.0000	51.3803	51.3803	2.7400e-003	0.0000	51.4490

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0578	7.3973	17.7464	0.0339		0.2961	0.2961		0.2893	0.2893	0.0000	2,910.7261	2,910.7261	0.6904	0.0000	2,927.9871
Total	1.0578	7.3973	17.7464	0.0339		0.2961	0.2961		0.2893	0.2893	0.0000	2,910.7261	2,910.7261	0.6904	0.0000	2,927.9871

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3.5 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9000e-003	0.1048	0.0317	3.6000e-004	9.5300e-003	1.2000e-004	9.6500e-003	2.7500e-003	1.1000e-004	2.8700e-003	0.0000	35.5842	35.5842	2.3800e-003	0.0000	35.6438
Worker	7.4400e-003	4.4500e-003	0.0483	1.7000e-004	0.0220	1.4000e-004	0.0221	5.8400e-003	1.3000e-004	5.9700e-003	0.0000	15.7961	15.7961	3.6000e-004	0.0000	15.8052
Total	0.0103	0.1093	0.0800	5.3000e-004	0.0315	2.6000e-004	0.0318	8.5900e-003	2.4000e-004	8.8400e-003	0.0000	51.3803	51.3803	2.7400e-003	0.0000	51.4490

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8560	6.0618	7.9544	0.0192		0.2394	0.2394		0.2284	0.2284	0.0000	1,650.5286	1,650.5286	0.3915	0.0000	1,660.3165
Total	0.8560	6.0618	7.9544	0.0192		0.2394	0.2394		0.2284	0.2284	0.0000	1,650.5286	1,650.5286	0.3915	0.0000	1,660.3165

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3.5 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6100e-003	0.0586	0.0178	2.0000e-004	5.4000e-003	7.0000e-005	5.4700e-003	1.5600e-003	6.0000e-005	1.6200e-003	0.0000	20.0715	20.0715	1.3400e-003	0.0000	20.1050
Worker	4.0400e-003	2.3600e-003	0.0258	1.0000e-004	0.0125	7.0000e-005	0.0125	3.3100e-003	7.0000e-005	3.3800e-003	0.0000	8.6571	8.6571	1.9000e-004	0.0000	8.6620
Total	5.6500e-003	0.0610	0.0436	3.0000e-004	0.0179	1.4000e-004	0.0180	4.8700e-003	1.3000e-004	5.0000e-003	0.0000	28.7287	28.7287	1.5300e-003	0.0000	28.7670

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5998	4.1947	10.0631	0.0192		0.1679	0.1679		0.1641	0.1641	0.0000	1,650.5267	1,650.5267	0.3915	0.0000	1,660.3145
Total	0.5998	4.1947	10.0631	0.0192		0.1679	0.1679		0.1641	0.1641	0.0000	1,650.5267	1,650.5267	0.3915	0.0000	1,660.3145

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3.5 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6100e-003	0.0586	0.0178	2.0000e-004	5.4000e-003	7.0000e-005	5.4700e-003	1.5600e-003	6.0000e-005	1.6200e-003	0.0000	20.0715	20.0715	1.3400e-003	0.0000	20.1050
Worker	4.0400e-003	2.3600e-003	0.0258	1.0000e-004	0.0125	7.0000e-005	0.0125	3.3100e-003	7.0000e-005	3.3800e-003	0.0000	8.6571	8.6571	1.9000e-004	0.0000	8.6620
Total	5.6500e-003	0.0610	0.0436	3.0000e-004	0.0179	1.4000e-004	0.0180	4.8700e-003	1.3000e-004	5.0000e-003	0.0000	28.7287	28.7287	1.5300e-003	0.0000	28.7670

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1506					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0422	0.2826	0.4463	7.3000e-004		0.0127	0.0127		0.0127	0.0127	0.0000	62.9803	62.9803	3.4400e-003	0.0000	63.0662
Total	0.1928	0.2826	0.4463	7.3000e-004		0.0127	0.0127		0.0127	0.0127	0.0000	62.9803	62.9803	3.4400e-003	0.0000	63.0662

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3.6 Architectural Coating - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	4.5000e-004	4.9200e-003	2.0000e-005	2.3700e-003	1.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.6490	1.6490	4.0000e-005	0.0000	1.6499
Total	7.7000e-004	4.5000e-004	4.9200e-003	2.0000e-005	2.3700e-003	1.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.6490	1.6490	4.0000e-005	0.0000	1.6499

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1506					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0422	0.2826	0.4463	7.3000e-004		0.0127	0.0127		0.0127	0.0127	0.0000	62.9802	62.9802	3.4400e-003	0.0000	63.0661
Total	0.1928	0.2826	0.4463	7.3000e-004		0.0127	0.0127		0.0127	0.0127	0.0000	62.9802	62.9802	3.4400e-003	0.0000	63.0661

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3.6 Architectural Coating - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	4.5000e-004	4.9200e-003	2.0000e-005	2.3700e-003	1.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.6490	1.6490	4.0000e-005	0.0000	1.6499
Total	7.7000e-004	4.5000e-004	4.9200e-003	2.0000e-005	2.3700e-003	1.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.6490	1.6490	4.0000e-005	0.0000	1.6499

3.7 Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0149	0.1385	0.2287	3.5000e-004		6.4100e-003	6.4100e-003		5.9200e-003	5.9200e-003	0.0000	30.6112	30.6112	9.7000e-003	0.0000	30.8538
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0149	0.1385	0.2287	3.5000e-004		6.4100e-003	6.4100e-003		5.9200e-003	5.9200e-003	0.0000	30.6112	30.6112	9.7000e-003	0.0000	30.8538

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3.7 Paving - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.8000e-004	5.1000e-004	5.6200e-003	2.0000e-005	2.7100e-003	2.0000e-005	2.7300e-003	7.2000e-004	1.0000e-005	7.4000e-004	0.0000	1.8830	1.8830	4.0000e-005	0.0000	1.8840
Total	8.8000e-004	5.1000e-004	5.6200e-003	2.0000e-005	2.7100e-003	2.0000e-005	2.7300e-003	7.2000e-004	1.0000e-005	7.4000e-004	0.0000	1.8830	1.8830	4.0000e-005	0.0000	1.8840

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0149	0.1385	0.2287	3.5000e-004		6.4100e-003	6.4100e-003		5.9200e-003	5.9200e-003	0.0000	30.6111	30.6111	9.7000e-003	0.0000	30.8537
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0149	0.1385	0.2287	3.5000e-004		6.4100e-003	6.4100e-003		5.9200e-003	5.9200e-003	0.0000	30.6111	30.6111	9.7000e-003	0.0000	30.8537

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3.7 Paving - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.8000e-004	5.1000e-004	5.6200e-003	2.0000e-005	2.7100e-003	2.0000e-005	2.7300e-003	7.2000e-004	1.0000e-005	7.4000e-004	0.0000	1.8830	1.8830	4.0000e-005	0.0000	1.8840
Total	8.8000e-004	5.1000e-004	5.6200e-003	2.0000e-005	2.7100e-003	2.0000e-005	2.7300e-003	7.2000e-004	1.0000e-005	7.4000e-004	0.0000	1.8830	1.8830	4.0000e-005	0.0000	1.8840

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Destination Accessibility

Implement Trip Reduction Program

Encourage Telecommuting and Alternative Work Schedules

Market Commute Trip Reduction Option

Employee Vanpool/Shuttle

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1576	0.6818	1.6470	6.2900e-003	0.6804	4.2100e-003	0.6847	0.1821	3.9100e-003	0.1861	0.0000	585.4325	585.4325	0.0297	0.0000	586.1753
Unmitigated	0.1728	0.7495	1.9640	7.8400e-003	0.8652	5.1500e-003	0.8703	0.2316	4.7800e-003	0.2364	0.0000	729.2903	729.2903	0.0359	0.0000	730.1872

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	1,300.00	159.90	68.25	2,296,945	1,806,539
Total	1,300.00	159.90	68.25	2,296,945	1,806,539

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.616428	0.037185	0.177402	0.097684	0.012090	0.005279	0.017663	0.025476	0.001931	0.001677	0.005617	0.000785	0.000782

5.0 Energy Detail

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Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	249.5152	249.5152	0.0100	2.0800e-003	250.3855
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	285.5001	285.5001	0.0115	2.3800e-003	286.4959
NaturalGas Mitigated	5.9600e-003	0.0541	0.0455	3.2000e-004		4.1100e-003	4.1100e-003		4.1100e-003	4.1100e-003	0.0000	58.9393	58.9393	1.1300e-003	1.0800e-003	59.2895
NaturalGas Unmitigated	7.0800e-003	0.0643	0.0540	3.9000e-004		4.8900e-003	4.8900e-003		4.8900e-003	4.8900e-003	0.0000	70.0320	70.0320	1.3400e-003	1.2800e-003	70.4482

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	1.31235e+006	7.0800e-003	0.0643	0.0540	3.9000e-004		4.8900e-003	4.8900e-003		4.8900e-003	4.8900e-003	0.0000	70.0320	70.0320	1.3400e-003	1.2800e-003	70.4482
Total		7.0800e-003	0.0643	0.0540	3.9000e-004		4.8900e-003	4.8900e-003		4.8900e-003	4.8900e-003	0.0000	70.0320	70.0320	1.3400e-003	1.2800e-003	70.4482

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	1.10448e+006	5.9600e-003	0.0541	0.0455	3.2000e-004		4.1100e-003	4.1100e-003		4.1100e-003	4.1100e-003	0.0000	58.9393	58.9393	1.1300e-003	1.0800e-003	59.2895
Total		5.9600e-003	0.0541	0.0455	3.2000e-004		4.1100e-003	4.1100e-003		4.1100e-003	4.1100e-003	0.0000	58.9393	58.9393	1.1300e-003	1.0800e-003	59.2895

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	873600	285.5001	0.0115	2.3800e-003	286.4959
Total		285.5001	0.0115	2.3800e-003	286.4959

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	763490	249.5152	0.0100	2.0800e-003	250.3855
Total		249.5152	0.0100	2.0800e-003	250.3855

6.0 Area Detail

6.1 Mitigation Measures Area

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Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2500	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1500e-003	1.1500e-003	0.0000	0.0000	1.2200e-003
Unmitigated	0.2690	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1600e-003	1.1600e-003	0.0000	0.0000	1.2400e-003

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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2539					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1600e-003	1.1600e-003	0.0000	0.0000	1.2400e-003
Total	0.2690	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1600e-003	1.1600e-003	0.0000	0.0000	1.2400e-003

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	0.0151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2349					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1500e-003	1.1500e-003	0.0000	0.0000	1.2200e-003
Total	0.2500	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1500e-003	1.1500e-003	0.0000	0.0000	1.2200e-003

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7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	78.5351	0.3795	9.5100e-003	90.8562
Unmitigated	78.5351	0.3795	9.5100e-003	90.8562

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	11.5527 / 7.08068	78.5351	0.3795	9.5100e-003	90.8562
Total		78.5351	0.3795	9.5100e-003	90.8562

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	11.5527 / 7.08068	78.5351	0.3795	9.5100e-003	90.8562
Total		78.5351	0.3795	9.5100e-003	90.8562

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	9.2031	0.5439	0.0000	22.8003
Unmitigated	12.2708	0.7252	0.0000	30.4004

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	60.45	12.2708	0.7252	0.0000	30.4004
Total		12.2708	0.7252	0.0000	30.4004

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	45.3375	9.2031	0.5439	0.0000	22.8003
Total		9.2031	0.5439	0.0000	22.8003

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

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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Scripps Mercy HSB Construction
San Diego Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	65.00	1000sqft	1.49	65,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2030
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

Project Characteristics -

Land Use -

Construction Phase - Construction will occur from 7/24/2024 through 7/27/2027, based on the phasing figure for HSB.

Off-road Equipment - Coating equipment based on equipment list.

Off-road Equipment - Construction equipment based on equipment list.

Off-road Equipment - Excavation phase equipment based on equipment list.

Off-road Equipment - Grading equipment based on equipment list.

Off-road Equipment - Paving equipment based on default equipment mix.

Off-road Equipment - Site Prep equipment based on equipment list.

Trips and VMT - Soil export trips associated with hauling may occur during grading or excavation phase.

Grading - Total acreage to be prepped and graded.

Architectural Coating - SDAPCD Rule 60.0.1. Architectural Coatings: 50 g/L VOC will be applied for interior and exterior paint. Traffic markings paints are listed as 100 g/L VOC.

Vehicle Trips - Trip rate from TIA, Dec 2020 shown as 20/ksf (applied for week days). Weekend trips remain as default.

Area Coating - SDAPCD Rule 67.0.1 Architectural Coatings for reapplication: 50 g/L interior and exterior, with 100 g/L for parking lot paints

Construction Off-road Equipment Mitigation - Tier 4 engines will be implemented for clean fleet construction equipment, over 200 hp.

Area Mitigation -

Energy Mitigation - 20% improvement for health care facilities assumed for the new 2022 Building Standards for health care facilities. 20% lighting energy reduction for non-residential per 2022 Stds.

Waste Mitigation - 25% reduction in waste for health care facility

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00

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tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	100
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	2.00	5.00
tblConstructionPhase	NumDays	4.00	75.00
tblConstructionPhase	NumDays	200.00	592.00
tblConstructionPhase	NumDays	10.00	148.00
tblConstructionPhase	NumDays	10.00	52.00
tblGrading	AcresOfGrading	46.88	1.50
tblGrading	AcresOfGrading	3.13	1.50
tblGrading	MaterialExported	0.00	21,188.00
tblOffRoadEquipment	HorsePower	221.00	172.00
tblOffRoadEquipment	HorsePower	8.00	78.00
tblOffRoadEquipment	LoadFactor	0.50	0.42
tblOffRoadEquipment	LoadFactor	0.43	0.48
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	UsageHours	6.00	10.00

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tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblTripsAndVMT	HaulingTripNumber	2,649.00	2,648.00
tblTripsAndVMT	HaulingTripNumber	2,649.00	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,648.00
tblVehicleTrips	WD_TR	11.03	20.00

2.0 Emissions Summary

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	5.5921	51.1909	43.9896	0.1573	9.9000	1.7387	11.6387	4.7479	1.6112	6.3591	0.0000	15,720.2863	15,720.2863	3.8078	0.0000	15,815.4802
2025	13.4333	95.9434	123.0664	0.3222	0.8319	3.6500	4.4819	0.2194	3.4694	3.6888	0.0000	30,803.5952	30,803.5952	7.4391	0.0000	30,989.5730
2026	11.6459	82.7456	108.1184	0.2641	0.2470	3.2365	3.4834	0.0672	3.0888	3.1560	0.0000	25,030.9413	25,030.9413	5.8550	0.0000	25,177.3159
2027	14.8650	91.9002	123.2210	0.2886	0.3866	3.6554	4.0420	0.1043	3.4888	3.5930	0.0000	27,370.6728	27,370.6728	6.3197	0.0000	27,528.6644
Maximum	14.8650	95.9434	123.2210	0.3222	9.9000	3.6554	11.6387	4.7479	3.4888	6.3591	0.0000	30,803.5952	30,803.5952	7.4391	0.0000	30,989.5730

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4742	6.0000e-005	6.6000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0142	0.0142	4.0000e-005		0.0151
Energy	0.0388	0.3525	0.2961	2.1100e-003		0.0268	0.0268		0.0268	0.0268		422.9976	422.9976	8.1100e-003	7.7500e-003	425.5113
Mobile	1.3643	5.4514	14.9751	0.0608	6.5839	0.0383	6.6222	1.7589	0.0356	1.7945		6,225.5208	6,225.5208	0.2947		6,232.8887
Total	2.8772	5.8040	15.2778	0.0629	6.5839	0.0651	6.6490	1.7589	0.0624	1.8213		6,648.5326	6,648.5326	0.3029	7.7500e-003	6,658.4151

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	1.3701	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Energy	0.0326	0.2967	0.2492	1.7800e-003		0.0226	0.0226		0.0226	0.0226		355.9968	355.9968	6.8200e-003	6.5300e-003	358.1123
Mobile	1.2496	4.9772	12.4246	0.0487	5.1782	0.0313	5.2095	1.3834	0.0291	1.4124		4,997.5046	4,997.5046	0.2432		5,003.5836
Total	2.6523	5.2739	12.6803	0.0505	5.1782	0.0539	5.2321	1.3834	0.0516	1.4350		5,353.5154	5,353.5154	0.2500	6.5300e-003	5,361.7108

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	7.82	9.13	17.00	19.64	21.35	17.26	21.31	21.35	17.22	21.21	0.00	19.48	19.48	17.45	15.74	19.47

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	7/24/2024	7/30/2024	5	5	
2	Grading	Grading	7/31/2024	11/12/2024	5	75	
3	Excavation	Trenching	7/31/2024	4/21/2025	5	189	
4	Building Construction	Building Construction	4/21/2025	7/27/2027	5	592	
5	Architectural Coating	Architectural Coating	1/1/2027	7/27/2027	5	148	
6	Paving	Paving	5/15/2027	7/27/2027	5	52	

Acres of Grading (Site Preparation Phase): 1.5

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 97,500; Non-Residential Outdoor: 32,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	10.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	10.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Grading	Forklifts	1	10.00	89	0.20

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

Grading	Generator Sets	1	10.00	84	0.74
Grading	Graders	1	10.00	187	0.41
Grading	Off-Highway Trucks	2	10.00	402	0.38
Grading	Plate Compactors	2	10.00	78	0.48
Grading	Rubber Tired Dozers	1	10.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Excavation	Excavators	1	10.00	158	0.38
Excavation	Off-Highway Trucks	2	10.00	402	0.38
Excavation	Rubber Tired Loaders	1	10.00	203	0.36
Building Construction	Air Compressors	2	10.00	78	0.48
Building Construction	Bore/Drill Rigs	1	10.00	172	0.42
Building Construction	Cement and Mortar Mixers	10	10.00	9	0.56
Building Construction	Concrete/Industrial Saws	4	10.00	81	0.73
Building Construction	Cranes	1	10.00	231	0.29
Building Construction	Forklifts	1	10.00	89	0.20
Building Construction	Generator Sets	1	10.00	84	0.74
Building Construction	Off-Highway Trucks	8	10.00	402	0.38
Building Construction	Other General Industrial Equipment	6	10.00	88	0.34
Building Construction	Pumps	2	10.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Building Construction	Welders	4	10.00	46	0.45
Architectural Coating	Air Compressors	2	10.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
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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	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	10	25.00	0.00	2,648.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	10	25.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Excavation	4	10.00	0.00	2,648.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	41	21.00	11.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

3.2 Site Preparation - 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					
Fugitive Dust					7.8458	0.0000	7.8458	4.1721	0.0000	4.1721			0.0000			0.0000
Off-Road	1.4920	15.9145	8.7789	0.0228		0.6530	0.6530		0.6008	0.6008		2,211.5690	2,211.5690	0.7153		2,229.4507
Total	1.4920	15.9145	8.7789	0.0228	7.8458	0.6530	8.4988	4.1721	0.6008	4.7729		2,211.5690	2,211.5690	0.7153		2,229.4507

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0235	0.0137	0.1714	5.8000e-004	0.0657	4.3000e-004	0.0662	0.0174	3.9000e-004	0.0178		57.9870	57.9870	1.4300e-003		58.0228
Total	0.0235	0.0137	0.1714	5.8000e-004	0.0657	4.3000e-004	0.0662	0.0174	3.9000e-004	0.0178		57.9870	57.9870	1.4300e-003		58.0228

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

3.2 Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0599	0.0000	3.0599	1.6271	0.0000	1.6271			0.0000			0.0000
Off-Road	0.7538	7.5713	9.6570	0.0228		0.2690	0.2690		0.2488	0.2488	0.0000	2,211.5690	2,211.5690	0.7153		2,229.4507
Total	0.7538	7.5713	9.6570	0.0228	3.0599	0.2690	3.3288	1.6271	0.2488	1.8760	0.0000	2,211.5690	2,211.5690	0.7153		2,229.4507

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0235	0.0137	0.1714	5.8000e-004	0.0657	4.3000e-004	0.0662	0.0174	3.9000e-004	0.0178		57.9870	57.9870	1.4300e-003		58.0228
Total	0.0235	0.0137	0.1714	5.8000e-004	0.0657	4.3000e-004	0.0662	0.0174	3.9000e-004	0.0178		57.9870	57.9870	1.4300e-003		58.0228

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

3.3 Grading - 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					
Fugitive Dust					7.5885	0.0000	7.5885	4.1461	0.0000	4.1461			0.0000			0.0000
Off-Road	3.3885	30.3296	25.7030	0.0699		1.2378	1.2378		1.1499	1.1499		6,753.4853	6,753.4853	1.9639		6,802.5817
Total	3.3885	30.3296	25.7030	0.0699	7.5885	1.2378	8.8263	4.1461	1.1499	5.2960		6,753.4853	6,753.4853	1.9639		6,802.5817

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1731	5.5665	2.0936	0.0256	1.0837	0.0103	1.0941	0.2837	9.8900e-003	0.2935		2,826.9806	2,826.9806	0.2512		2,833.2605
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1470	0.0858	1.0710	3.6300e-003	0.7677	2.6700e-003	0.7704	0.1966	2.4600e-003	0.1990		362.4186	362.4186	8.9700e-003		362.6427
Total	0.3201	5.6523	3.1647	0.0292	1.8514	0.0130	1.8644	0.4802	0.0124	0.4926		3,189.3992	3,189.3992	0.2602		3,195.9032

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

3.3 Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9595	0.0000	2.9595	1.6170	0.0000	1.6170			0.0000			0.0000
Off-Road	1.8119	15.4179	33.2738	0.0699		0.6081	0.6081		0.5763	0.5763	0.0000	6,753.4853	6,753.4853	1.9639		6,802.5816
Total	1.8119	15.4179	33.2738	0.0699	2.9595	0.6081	3.5676	1.6170	0.5763	2.1932	0.0000	6,753.4853	6,753.4853	1.9639		6,802.5816

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1731	5.5665	2.0936	0.0256	1.0837	0.0103	1.0941	0.2837	9.8900e-003	0.2935		2,826.9806	2,826.9806	0.2512		2,833.2605
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1470	0.0858	1.0710	3.6300e-003	0.7677	2.6700e-003	0.7704	0.1966	2.4600e-003	0.1990		362.4186	362.4186	8.9700e-003		362.6427
Total	0.3201	5.6523	3.1647	0.0292	1.8514	0.0130	1.8644	0.4802	0.0124	0.4926		3,189.3992	3,189.3992	0.2602		3,195.9032

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

3.4 Excavation - 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	1.7854	12.9829	14.0769	0.0474		0.4833	0.4833		0.4446	0.4446		4,583.1004	4,583.1004	1.4823		4,620.1571
Total	1.7854	12.9829	14.0769	0.0474		0.4833	0.4833		0.4446	0.4446		4,583.1004	4,583.1004	1.4823		4,620.1571

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0687	2.2089	0.8308	0.0101	0.3779	4.1000e-003	0.3820	0.0998	3.9200e-003	0.1037		1,121.8177	1,121.8177	0.0997		1,124.3097
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0294	0.0172	0.2142	7.3000e-004	0.0822	5.3000e-004	0.0827	0.0218	4.9000e-004	0.0223		72.4837	72.4837	1.7900e-003		72.5285
Total	0.0981	2.2261	1.0450	0.0109	0.4600	4.6300e-003	0.4646	0.1215	4.4100e-003	0.1260		1,194.3014	1,194.3014	0.1015		1,196.8382

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

3.4 Excavation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9469	6.4145	20.7696	0.0474		0.2376	0.2376		0.2229	0.2229	0.0000	4,583.1004	4,583.1004	1.4823		4,620.1571
Total	0.9469	6.4145	20.7696	0.0474		0.2376	0.2376		0.2229	0.2229	0.0000	4,583.1004	4,583.1004	1.4823		4,620.1571

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0687	2.2089	0.8308	0.0101	0.3779	4.1000e-003	0.3820	0.0998	3.9200e-003	0.1037		1,121.8177	1,121.8177	0.0997		1,124.3097
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0294	0.0172	0.2142	7.3000e-004	0.0822	5.3000e-004	0.0827	0.0218	4.9000e-004	0.0223		72.4837	72.4837	1.7900e-003		72.5285
Total	0.0981	2.2261	1.0450	0.0109	0.4600	4.6300e-003	0.4646	0.1215	4.4100e-003	0.1260		1,194.3014	1,194.3014	0.1015		1,196.8382

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

3.4 Excavation - 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	1.6886	11.0156	13.8773	0.0473		0.4090	0.4090		0.3763	0.3763		4,581.6382	4,581.6382	1.4818		4,618.6831
Total	1.6886	11.0156	13.8773	0.0473		0.4090	0.4090		0.3763	0.3763		4,581.6382	4,581.6382	1.4818		4,618.6831

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0677	2.1525	0.8424	0.0101	0.5027	4.0000e-003	0.5067	0.1304	3.8200e-003	0.1342		1,114.3439	1,114.3439	0.1003		1,116.8502
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0281	0.0158	0.2001	7.0000e-004	0.0822	5.3000e-004	0.0827	0.0218	4.8000e-004	0.0223		69.5512	69.5512	1.6600e-003		69.5926
Total	0.0958	2.1683	1.0425	0.0108	0.5849	4.5300e-003	0.5894	0.1522	4.3000e-003	0.1565		1,183.8951	1,183.8951	0.1019		1,186.4428

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

3.4 Excavation - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8988	5.6017	20.7319	0.0473		0.2068	0.2068		0.1946	0.1946	0.0000	4,581.6382	4,581.6382	1.4818		4,618.6831
Total	0.8988	5.6017	20.7319	0.0473		0.2068	0.2068		0.1946	0.1946	0.0000	4,581.6382	4,581.6382	1.4818		4,618.6831

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0677	2.1525	0.8424	0.0101	0.5027	4.0000e-003	0.5067	0.1304	3.8200e-003	0.1342		1,114.3439	1,114.3439	0.1003		1,116.8502
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0281	0.0158	0.2001	7.0000e-004	0.0822	5.3000e-004	0.0827	0.0218	4.8000e-004	0.0223		69.5512	69.5512	1.6600e-003		69.5926
Total	0.0958	2.1683	1.0425	0.0108	0.5849	4.5300e-003	0.5894	0.1522	4.3000e-003	0.1565		1,183.8951	1,183.8951	0.1019		1,186.4428

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

3.5 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	11.5677	81.9164	107.4912	0.2599		3.2345	3.2345		3.0870	3.0870		24,586.4377	24,586.4377	5.8320		24,732.2387
Total	11.5677	81.9164	107.4912	0.2599		3.2345	3.2345		3.0870	3.0870		24,586.4377	24,586.4377	5.8320		24,732.2387

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0223	0.8099	0.2352	2.8200e-003	0.0745	9.3000e-004	0.0754	0.0214	8.9000e-004	0.0223		305.5668	305.5668	0.0199		306.0640
Worker	0.0589	0.0332	0.4202	1.4600e-003	0.1725	1.1000e-003	0.1736	0.0458	1.0200e-003	0.0468		146.0574	146.0574	3.4800e-003		146.1444
Total	0.0813	0.8431	0.6554	4.2800e-003	0.2470	2.0300e-003	0.2490	0.0672	1.9100e-003	0.0691		451.6242	451.6242	0.0234		452.2084

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	8.1060	56.6846	135.9880	0.2599		2.2692	2.2692		2.2171	2.2171	0.0000	24,586.4376	24,586.4376	5.8320		24,732.2387
Total	8.1060	56.6846	135.9880	0.2599		2.2692	2.2692		2.2171	2.2171	0.0000	24,586.4376	24,586.4376	5.8320		24,732.2387

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0223	0.8099	0.2352	2.8200e-003	0.0745	9.3000e-004	0.0754	0.0214	8.9000e-004	0.0223		305.5668	305.5668	0.0199		306.0640
Worker	0.0589	0.0332	0.4202	1.4600e-003	0.1725	1.1000e-003	0.1736	0.0458	1.0200e-003	0.0468		146.0574	146.0574	3.4800e-003		146.1444
Total	0.0813	0.8431	0.6554	4.2800e-003	0.2470	2.0300e-003	0.2490	0.0672	1.9100e-003	0.0691		451.6242	451.6242	0.0234		452.2084

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

3.5 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	11.5677	81.9164	107.4912	0.2599		3.2345	3.2345		3.0870	3.0870		24,586.4377	24,586.4377	5.8320		24,732.2387
Total	11.5677	81.9164	107.4912	0.2599		3.2345	3.2345		3.0870	3.0870		24,586.4377	24,586.4377	5.8320		24,732.2387

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0218	0.7984	0.2320	2.8000e-003	0.0745	9.1000e-004	0.0754	0.0214	8.7000e-004	0.0223		303.7965	303.7965	0.0197		304.2890
Worker	0.0564	0.0309	0.3952	1.4100e-003	0.1725	1.0700e-003	0.1736	0.0458	9.8000e-004	0.0467		140.7072	140.7072	3.2400e-003		140.7883
Total	0.0782	0.8293	0.6272	4.2100e-003	0.2470	1.9800e-003	0.2490	0.0672	1.8500e-003	0.0690		444.5037	444.5037	0.0229		445.0772

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	8.1060	56.6846	135.9880	0.2599		2.2692	2.2692		2.2171	2.2171	0.0000	24,586.4376	24,586.4376	5.8320		24,732.2387
Total	8.1060	56.6846	135.9880	0.2599		2.2692	2.2692		2.2171	2.2171	0.0000	24,586.4376	24,586.4376	5.8320		24,732.2387

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0218	0.7984	0.2320	2.8000e-003	0.0745	9.1000e-004	0.0754	0.0214	8.7000e-004	0.0223		303.7965	303.7965	0.0197		304.2890
Worker	0.0564	0.0309	0.3952	1.4100e-003	0.1725	1.0700e-003	0.1736	0.0458	9.8000e-004	0.0467		140.7072	140.7072	3.2400e-003		140.7883
Total	0.0782	0.8293	0.6272	4.2100e-003	0.2470	1.9800e-003	0.2490	0.0672	1.8500e-003	0.0690		444.5037	444.5037	0.0229		445.0772

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	11.5677	81.9164	107.4912	0.2599		3.2345	3.2345		3.0870	3.0870		24,586.4377	24,586.4377	5.8320		24,732.2387
Total	11.5677	81.9164	107.4912	0.2599		3.2345	3.2345		3.0870	3.0870		24,586.4377	24,586.4377	5.8320		24,732.2387

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0213	0.7874	0.2293	2.7800e-003	0.0745	8.9000e-004	0.0754	0.0214	8.5000e-004	0.0223		302.1771	302.1771	0.0195		302.6655
Worker	0.0540	0.0289	0.3730	1.3600e-003	0.1725	1.0100e-003	0.1735	0.0458	9.3000e-004	0.0467		135.9961	135.9961	3.0400e-003		136.0721
Total	0.0752	0.8162	0.6023	4.1400e-003	0.2470	1.9000e-003	0.2489	0.0672	1.7800e-003	0.0690		438.1732	438.1732	0.0226		438.7375

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	8.1060	56.6846	135.9880	0.2599		2.2692	2.2692		2.2171	2.2171	0.0000	24,586.4376	24,586.4376	5.8320		24,732.2387
Total	8.1060	56.6846	135.9880	0.2599		2.2692	2.2692		2.2171	2.2171	0.0000	24,586.4376	24,586.4376	5.8320		24,732.2387

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0213	0.7874	0.2293	2.7800e-003	0.0745	8.9000e-004	0.0754	0.0214	8.5000e-004	0.0223		302.1771	302.1771	0.0195		302.6655
Worker	0.0540	0.0289	0.3730	1.3600e-003	0.1725	1.0100e-003	0.1735	0.0458	9.3000e-004	0.0467		135.9961	135.9961	3.0400e-003		136.0721
Total	0.0752	0.8162	0.6023	4.1400e-003	0.2470	1.9000e-003	0.2489	0.0672	1.7800e-003	0.0690		438.1732	438.1732	0.0226		438.7375

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.0356					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5695	3.8184	6.0305	9.9000e-003		0.1717	0.1717		0.1717	0.1717		938.1602	938.1602	0.0512		939.4396
Total	2.6052	3.8184	6.0305	9.9000e-003		0.1717	0.1717		0.1717	0.1717		938.1602	938.1602	0.0512		939.4396

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0103	5.5000e-003	0.0711	2.6000e-004	0.0329	1.9000e-004	0.0331	8.7200e-003	1.8000e-004	8.8900e-003		25.9040	25.9040	5.8000e-004		25.9185
Total	0.0103	5.5000e-003	0.0711	2.6000e-004	0.0329	1.9000e-004	0.0331	8.7200e-003	1.8000e-004	8.8900e-003		25.9040	25.9040	5.8000e-004		25.9185

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

3.6 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.0356					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5695	3.8184	6.0305	9.9000e-003		0.1717	0.1717		0.1717	0.1717	0.0000	938.1602	938.1602	0.0512		939.4396
Total	2.6052	3.8184	6.0305	9.9000e-003		0.1717	0.1717		0.1717	0.1717	0.0000	938.1602	938.1602	0.0512		939.4396

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0103	5.5000e-003	0.0711	2.6000e-004	0.0329	1.9000e-004	0.0331	8.7200e-003	1.8000e-004	8.8900e-003		25.9040	25.9040	5.8000e-004		25.9185
Total	0.0103	5.5000e-003	0.0711	2.6000e-004	0.0329	1.9000e-004	0.0331	8.7200e-003	1.8000e-004	8.8900e-003		25.9040	25.9040	5.8000e-004		25.9185

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

3.7 Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5732	5.3259	8.7951	0.0136		0.2465	0.2465		0.2276	0.2276		1,297.8096	1,297.8096	0.4114		1,308.0951
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5732	5.3259	8.7951	0.0136		0.2465	0.2465		0.2276	0.2276		1,297.8096	1,297.8096	0.4114		1,308.0951

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0334	0.0179	0.2309	8.4000e-004	0.1068	6.3000e-004	0.1074	0.0283	5.8000e-004	0.0289		84.1881	84.1881	1.8800e-003		84.2351
Total	0.0334	0.0179	0.2309	8.4000e-004	0.1068	6.3000e-004	0.1074	0.0283	5.8000e-004	0.0289		84.1881	84.1881	1.8800e-003		84.2351

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

3.7 Paving - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5732	5.3259	8.7951	0.0136		0.2465	0.2465		0.2276	0.2276	0.0000	1,297.8096	1,297.8096	0.4114		1,308.0951
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5732	5.3259	8.7951	0.0136		0.2465	0.2465		0.2276	0.2276	0.0000	1,297.8096	1,297.8096	0.4114		1,308.0951

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0334	0.0179	0.2309	8.4000e-004	0.1068	6.3000e-004	0.1074	0.0283	5.8000e-004	0.0289		84.1881	84.1881	1.8800e-003		84.2351
Total	0.0334	0.0179	0.2309	8.4000e-004	0.1068	6.3000e-004	0.1074	0.0283	5.8000e-004	0.0289		84.1881	84.1881	1.8800e-003		84.2351

4.0 Operational Detail - Mobile

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

4.1 Mitigation Measures Mobile

- Improve Destination Accessibility
- Implement Trip Reduction Program
- Encourage Telecommuting and Alternative Work Schedules
- Market Commute Trip Reduction Option
- Employee Vanpool/Shuttle

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2496	4.9772	12.4246	0.0487	5.1782	0.0313	5.2095	1.3834	0.0291	1.4124		4,997.5046	4,997.5046	0.2432		5,003.5836
Unmitigated	1.3643	5.4514	14.9751	0.0608	6.5839	0.0383	6.6222	1.7589	0.0356	1.7945		6,225.5208	6,225.5208	0.2947		6,232.8887

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	1,300.00	159.90	68.25	2,296,945	1,806,539
Total	1,300.00	159.90	68.25	2,296,945	1,806,539

4.3 Trip Type Information

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.616428	0.037185	0.177402	0.097684	0.012090	0.005279	0.017663	0.025476	0.001931	0.001677	0.005617	0.000785	0.000782

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

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	0.0326	0.2967	0.2492	1.7800e-003		0.0226	0.0226		0.0226	0.0226		355.9968	355.9968	6.8200e-003	6.5300e-003	358.1123
NaturalGas Unmitigated	0.0388	0.3525	0.2961	2.1100e-003		0.0268	0.0268		0.0268	0.0268		422.9976	422.9976	8.1100e-003	7.7500e-003	425.5113

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	3595.48	0.0388	0.3525	0.2961	2.1100e-003		0.0268	0.0268		0.0268	0.0268		422.9976	422.9976	8.1100e-003	7.7500e-003	425.5113
Total		0.0388	0.3525	0.2961	2.1100e-003		0.0268	0.0268		0.0268	0.0268		422.9976	422.9976	8.1100e-003	7.7500e-003	425.5113

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	3.02597	0.0326	0.2967	0.2492	1.7800e-003		0.0226	0.0226		0.0226	0.0226		355.9968	355.9968	6.8200e-003	6.5300e-003	358.1123
Total		0.0326	0.2967	0.2492	1.7800e-003		0.0226	0.0226		0.0226	0.0226		355.9968	355.9968	6.8200e-003	6.5300e-003	358.1123

6.0 Area Detail

6.1 Mitigation Measures Area

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3701	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Unmitigated	1.4742	6.0000e-005	6.6000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0142	0.0142	4.0000e-005		0.0151

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0825					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-004	6.0000e-005	6.6000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0142	0.0142	4.0000e-005		0.0151
Total	1.4741	6.0000e-005	6.6000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0142	0.0142	4.0000e-005		0.0151

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	0.0825					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.9000e-004	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Total	1.3701	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

Scripps Mercy HSB Construction - San Diego Air Basin, Summer

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

Scripps Mercy HSB Construction
San Diego Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	65.00	1000sqft	1.49	65,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2030
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

Project Characteristics -

Land Use -

Construction Phase - Construction will occur from 7/24/2024 through 7/27/2027, based on the phasing figure for HSB.

Off-road Equipment - Coating equipment based on equipment list.

Off-road Equipment - Construction equipment based on equipment list.

Off-road Equipment - Excavation phase equipment based on equipment list.

Off-road Equipment - Grading equipment based on equipment list.

Off-road Equipment - Paving equipment based on default equipment mix.

Off-road Equipment - Site Prep equipment based on equipment list.

Trips and VMT - Soil export trips associated with hauling may occur during grading or excavation phase.

Grading - Total acreage to be prepped and graded.

Architectural Coating - SDAPCD Rule 60.0.1. Architectural Coatings: 50 g/L VOC will be applied for interior and exterior paint. Traffic markings paints are listed as 100 g/L VOC.

Vehicle Trips - Trip rate from TIA, Dec 2020 shown as 20/ksf (applied for week days). Weekend trips remain as default.

Area Coating - SDAPCD Rule 67.0.1 Architectural Coatings for reapplication: 50 g/L interior and exterior, with 100 g/L for parking lot paints

Construction Off-road Equipment Mitigation - Tier 4 engines will be implemented for clean fleet construction equipment, over 200 hp.

Area Mitigation -

Energy Mitigation - 20% improvement for health care facilities assumed for the new 2022 Building Standards for health care facilities. 20% lighting energy reduction for non-residential per 2022 Stds.

Waste Mitigation - 25% reduction in waste for health care facility

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	100
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	2.00	5.00
tblConstructionPhase	NumDays	4.00	75.00
tblConstructionPhase	NumDays	200.00	592.00
tblConstructionPhase	NumDays	10.00	148.00
tblConstructionPhase	NumDays	10.00	52.00
tblGrading	AcresOfGrading	46.88	1.50
tblGrading	AcresOfGrading	3.13	1.50
tblGrading	MaterialExported	0.00	21,188.00
tblOffRoadEquipment	HorsePower	221.00	172.00
tblOffRoadEquipment	HorsePower	8.00	78.00
tblOffRoadEquipment	LoadFactor	0.50	0.42
tblOffRoadEquipment	LoadFactor	0.43	0.48
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	UsageHours	6.00	10.00

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblTripsAndVMT	HaulingTripNumber	2,649.00	2,648.00
tblTripsAndVMT	HaulingTripNumber	2,649.00	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,648.00
tblVehicleTrips	WD_TR	11.03	20.00

2.0 Emissions Summary

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	5.6240	51.2314	44.0346	0.1565	9.9000	1.7392	11.6391	4.7479	1.6116	6.3595	0.0000	15,625.380 1	15,625.380 1	3.8161	0.0000	15,720.782 0
2025	13.4491	95.9531	123.0836	0.3219	0.8319	3.6502	4.4820	0.2194	3.4696	3.6890	0.0000	30,763.497 2	30,763.497 2	7.4423	0.0000	30,949.553 4
2026	11.6555	82.7458	108.1137	0.2639	0.2470	3.2365	3.4835	0.0672	3.0888	3.1560	0.0000	25,014.670 7	25,014.670 7	5.8558	0.0000	25,161.064 7
2027	14.8810	91.9029	123.1963	0.2883	0.3866	3.6554	4.0420	0.1043	3.4888	3.5931	0.0000	27,348.036 1	27,348.036 1	6.3203	0.0000	27,506.042 7
Maximum	14.8810	95.9531	123.1963	0.3219	9.9000	3.6554	11.6391	4.7479	3.4888	6.3595	0.0000	30,763.497 2	30,763.497 2	7.4423	0.0000	30,949.553 4

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4742	6.0000e-005	6.6000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0142	0.0142	4.0000e-005		0.0151
Energy	0.0388	0.3525	0.2961	2.1100e-003		0.0268	0.0268		0.0268	0.0268		422.9976	422.9976	8.1100e-003	7.7500e-003	425.5113
Mobile	1.3159	5.5477	14.7680	0.0577	6.5839	0.0384	6.6223	1.7589	0.0357	1.7946		5,914.7338	5,914.7338	0.2972		5,922.1645
Total	2.8289	5.9002	15.0707	0.0598	6.5839	0.0652	6.6491	1.7589	0.0625	1.8214		6,337.7456	6,337.7456	0.3054	7.7500e-003	6,347.6909

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	1.3701	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Energy	0.0326	0.2967	0.2492	1.7800e-003		0.0226	0.0226		0.0226	0.0226		355.9968	355.9968	6.8200e-003	6.5300e-003	358.1123
Mobile	1.2030	5.0419	12.4326	0.0463	5.1782	0.0314	5.2096	1.3834	0.0292	1.4126		4,743.5954	4,743.5954	0.2468		4,749.7652
Total	2.6057	5.3386	12.6884	0.0480	5.1782	0.0540	5.2322	1.3834	0.0518	1.4351		5,099.6062	5,099.6062	0.2537	6.5300e-003	5,107.8924

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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	7.89	9.52	15.81	19.70	21.35	17.22	21.31	21.35	17.17	21.21	0.00	19.54	19.54	16.94	15.74	19.53

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/24/2024	7/30/2024	5	5	
2	Grading	Grading	7/31/2024	11/12/2024	5	75	
3	Excavation	Trenching	7/31/2024	4/21/2025	5	189	
4	Building Construction	Building Construction	4/21/2025	7/27/2027	5	592	
5	Architectural Coating	Architectural Coating	1/1/2027	7/27/2027	5	148	
6	Paving	Paving	5/15/2027	7/27/2027	5	52	

Acres of Grading (Site Preparation Phase): 1.5

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 97,500; Non-Residential Outdoor: 32,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	10.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	10.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Grading	Forklifts	1	10.00	89	0.20

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Grading	Generator Sets	1	10.00	84	0.74
Grading	Graders	1	10.00	187	0.41
Grading	Off-Highway Trucks	2	10.00	402	0.38
Grading	Plate Compactors	2	10.00	78	0.48
Grading	Rubber Tired Dozers	1	10.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Excavation	Excavators	1	10.00	158	0.38
Excavation	Off-Highway Trucks	2	10.00	402	0.38
Excavation	Rubber Tired Loaders	1	10.00	203	0.36
Building Construction	Air Compressors	2	10.00	78	0.48
Building Construction	Bore/Drill Rigs	1	10.00	172	0.42
Building Construction	Cement and Mortar Mixers	10	10.00	9	0.56
Building Construction	Concrete/Industrial Saws	4	10.00	81	0.73
Building Construction	Cranes	1	10.00	231	0.29
Building Construction	Forklifts	1	10.00	89	0.20
Building Construction	Generator Sets	1	10.00	84	0.74
Building Construction	Off-Highway Trucks	8	10.00	402	0.38
Building Construction	Other General Industrial Equipment	6	10.00	88	0.34
Building Construction	Pumps	2	10.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Building Construction	Welders	4	10.00	46	0.45
Architectural Coating	Air Compressors	2	10.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
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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	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	10	25.00	0.00	2,648.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	10	25.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Excavation	4	10.00	0.00	2,648.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	41	21.00	11.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

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3.2 Site Preparation - 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					
Fugitive Dust					7.8458	0.0000	7.8458	4.1721	0.0000	4.1721			0.0000			0.0000
Off-Road	1.4920	15.9145	8.7789	0.0228		0.6530	0.6530		0.6008	0.6008		2,211.5690	2,211.5690	0.7153		2,229.4507
Total	1.4920	15.9145	8.7789	0.0228	7.8458	0.6530	8.4988	4.1721	0.6008	4.7729		2,211.5690	2,211.5690	0.7153		2,229.4507

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0269	0.0154	0.1602	5.5000e-004	0.0657	4.3000e-004	0.0662	0.0174	3.9000e-004	0.0178		54.4410	54.4410	1.3500e-003		54.4747
Total	0.0269	0.0154	0.1602	5.5000e-004	0.0657	4.3000e-004	0.0662	0.0174	3.9000e-004	0.0178		54.4410	54.4410	1.3500e-003		54.4747

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

3.2 Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0599	0.0000	3.0599	1.6271	0.0000	1.6271			0.0000			0.0000
Off-Road	0.7538	7.5713	9.6570	0.0228		0.2690	0.2690		0.2488	0.2488	0.0000	2,211.5690	2,211.5690	0.7153		2,229.4507
Total	0.7538	7.5713	9.6570	0.0228	3.0599	0.2690	3.3288	1.6271	0.2488	1.8760	0.0000	2,211.5690	2,211.5690	0.7153		2,229.4507

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0269	0.0154	0.1602	5.5000e-004	0.0657	4.3000e-004	0.0662	0.0174	3.9000e-004	0.0178		54.4410	54.4410	1.3500e-003		54.4747
Total	0.0269	0.0154	0.1602	5.5000e-004	0.0657	4.3000e-004	0.0662	0.0174	3.9000e-004	0.0178		54.4410	54.4410	1.3500e-003		54.4747

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

3.3 Grading - 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					
Fugitive Dust					7.5885	0.0000	7.5885	4.1461	0.0000	4.1461			0.0000			0.0000
Off-Road	3.3885	30.3296	25.7030	0.0699		1.2378	1.2378		1.1499	1.1499		6,753.4853	6,753.4853	1.9639		6,802.5817
Total	3.3885	30.3296	25.7030	0.0699	7.5885	1.2378	8.8263	4.1461	1.1499	5.2960		6,753.4853	6,753.4853	1.9639		6,802.5817

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1779	5.5865	2.1861	0.0251	1.0837	0.0106	1.0944	0.2837	0.0102	0.2938		2,778.0761	2,778.0761	0.2576		2,784.5162
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1681	0.0963	1.0009	3.4100e-003	0.7677	2.6700e-003	0.7704	0.1966	2.4600e-003	0.1990		340.2560	340.2560	8.4400e-003		340.4669
Total	0.3460	5.6828	3.1870	0.0285	1.8514	0.0133	1.8647	0.4802	0.0126	0.4929		3,118.3321	3,118.3321	0.2660		3,124.9831

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

3.3 Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9595	0.0000	2.9595	1.6170	0.0000	1.6170			0.0000			0.0000
Off-Road	1.8119	15.4179	33.2738	0.0699		0.6081	0.6081		0.5763	0.5763	0.0000	6,753.4853	6,753.4853	1.9639		6,802.5816
Total	1.8119	15.4179	33.2738	0.0699	2.9595	0.6081	3.5676	1.6170	0.5763	2.1932	0.0000	6,753.4853	6,753.4853	1.9639		6,802.5816

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1779	5.5865	2.1861	0.0251	1.0837	0.0106	1.0944	0.2837	0.0102	0.2938		2,778.0761	2,778.0761	0.2576		2,784.5162
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1681	0.0963	1.0009	3.4100e-003	0.7677	2.6700e-003	0.7704	0.1966	2.4600e-003	0.1990		340.2560	340.2560	8.4400e-003		340.4669
Total	0.3460	5.6828	3.1870	0.0285	1.8514	0.0133	1.8647	0.4802	0.0126	0.4929		3,118.3321	3,118.3321	0.2660		3,124.9831

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

3.4 Excavation - 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	1.7854	12.9829	14.0769	0.0474		0.4833	0.4833		0.4446	0.4446		4,583.1004	4,583.1004	1.4823		4,620.1571
Total	1.7854	12.9829	14.0769	0.0474		0.4833	0.4833		0.4446	0.4446		4,583.1004	4,583.1004	1.4823		4,620.1571

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0706	2.2169	0.8675	9.9600e-003	0.3779	4.2200e-003	0.3821	0.0998	4.0400e-003	0.1038		1,102.4112	1,102.4112	0.1022		1,104.9668
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0336	0.0193	0.2002	6.8000e-004	0.0822	5.3000e-004	0.0827	0.0218	4.9000e-004	0.0223		68.0512	68.0512	1.6900e-003		68.0934
Total	0.1042	2.2361	1.0677	0.0106	0.4600	4.7500e-003	0.4648	0.1215	4.5300e-003	0.1261		1,170.4623	1,170.4623	0.1039		1,173.0601

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

3.4 Excavation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9469	6.4145	20.7696	0.0474		0.2376	0.2376		0.2229	0.2229	0.0000	4,583.1004	4,583.1004	1.4823		4,620.1571
Total	0.9469	6.4145	20.7696	0.0474		0.2376	0.2376		0.2229	0.2229	0.0000	4,583.1004	4,583.1004	1.4823		4,620.1571

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0706	2.2169	0.8675	9.9600e-003	0.3779	4.2200e-003	0.3821	0.0998	4.0400e-003	0.1038		1,102.4112	1,102.4112	0.1022		1,104.9668
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0336	0.0193	0.2002	6.8000e-004	0.0822	5.3000e-004	0.0827	0.0218	4.9000e-004	0.0223		68.0512	68.0512	1.6900e-003		68.0934
Total	0.1042	2.2361	1.0677	0.0106	0.4600	4.7500e-003	0.4648	0.1215	4.5300e-003	0.1261		1,170.4623	1,170.4623	0.1039		1,173.0601

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

3.4 Excavation - 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	1.6886	11.0156	13.8773	0.0473		0.4090	0.4090		0.3763	0.3763		4,581.6382	4,581.6382	1.4818		4,618.6831
Total	1.6886	11.0156	13.8773	0.0473		0.4090	0.4090		0.3763	0.3763		4,581.6382	4,581.6382	1.4818		4,618.6831

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0695	2.1599	0.8782	9.8800e-003	0.5027	4.1000e-003	0.5068	0.1304	3.9200e-003	0.1343		1,095.1902	1,095.1902	0.1027		1,097.7572
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0322	0.0178	0.1868	6.5000e-004	0.0822	5.3000e-004	0.0827	0.0218	4.8000e-004	0.0223		65.3006	65.3006	1.5600e-003		65.3395
Total	0.1017	2.1776	1.0650	0.0105	0.5849	4.6300e-003	0.5895	0.1522	4.4000e-003	0.1566		1,160.4908	1,160.4908	0.1042		1,163.0967

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

3.4 Excavation - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8988	5.6017	20.7319	0.0473		0.2068	0.2068		0.1946	0.1946	0.0000	4,581.6382	4,581.6382	1.4818		4,618.6831
Total	0.8988	5.6017	20.7319	0.0473		0.2068	0.2068		0.1946	0.1946	0.0000	4,581.6382	4,581.6382	1.4818		4,618.6831

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0695	2.1599	0.8782	9.8800e-003	0.5027	4.1000e-003	0.5068	0.1304	3.9200e-003	0.1343		1,095.1902	1,095.1902	0.1027		1,097.7572
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0322	0.0178	0.1868	6.5000e-004	0.0822	5.3000e-004	0.0827	0.0218	4.8000e-004	0.0223		65.3006	65.3006	1.5600e-003		65.3395
Total	0.1017	2.1776	1.0650	0.0105	0.5849	4.6300e-003	0.5895	0.1522	4.4000e-003	0.1566		1,160.4908	1,160.4908	0.1042		1,163.0967

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

3.5 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	11.5677	81.9164	107.4912	0.2599		3.2345	3.2345		3.0870	3.0870		24,586.4377	24,586.4377	5.8320		24,732.2387
Total	11.5677	81.9164	107.4912	0.2599		3.2345	3.2345		3.0870	3.0870		24,586.4377	24,586.4377	5.8320		24,732.2387

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	0.8062	0.2578	2.7500e-003	0.0745	9.7000e-004	0.0754	0.0214	9.3000e-004	0.0224		297.7994	297.7994	0.0209		298.3220
Worker	0.0676	0.0373	0.3923	1.3800e-003	0.1725	1.1000e-003	0.1736	0.0458	1.0200e-003	0.0468		137.1312	137.1312	3.2700e-003		137.2129
Total	0.0911	0.8435	0.6501	4.1300e-003	0.2470	2.0700e-003	0.2491	0.0672	1.9500e-003	0.0691		434.9305	434.9305	0.0242		435.5349

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	8.1060	56.6846	135.9880	0.2599		2.2692	2.2692		2.2171	2.2171	0.0000	24,586.4376	24,586.4376	5.8320		24,732.2387
Total	8.1060	56.6846	135.9880	0.2599		2.2692	2.2692		2.2171	2.2171	0.0000	24,586.4376	24,586.4376	5.8320		24,732.2387

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	0.8062	0.2578	2.7500e-003	0.0745	9.7000e-004	0.0754	0.0214	9.3000e-004	0.0224		297.7994	297.7994	0.0209		298.3220
Worker	0.0676	0.0373	0.3923	1.3800e-003	0.1725	1.1000e-003	0.1736	0.0458	1.0200e-003	0.0468		137.1312	137.1312	3.2700e-003		137.2129
Total	0.0911	0.8435	0.6501	4.1300e-003	0.2470	2.0700e-003	0.2491	0.0672	1.9500e-003	0.0691		434.9305	434.9305	0.0242		435.5349

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

3.5 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	11.5677	81.9164	107.4912	0.2599		3.2345	3.2345		3.0870	3.0870		24,586.4377	24,586.4377	5.8320		24,732.2387
Total	11.5677	81.9164	107.4912	0.2599		3.2345	3.2345		3.0870	3.0870		24,586.4377	24,586.4377	5.8320		24,732.2387

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0229	0.7948	0.2540	2.7300e-003	0.0745	9.4000e-004	0.0754	0.0214	9.0000e-004	0.0223		296.1238	296.1238	0.0207		296.6406
Worker	0.0649	0.0347	0.3685	1.3200e-003	0.1725	1.0700e-003	0.1736	0.0458	9.8000e-004	0.0467		132.1093	132.1093	3.0500e-003		132.1854
Total	0.0878	0.8294	0.6225	4.0500e-003	0.2470	2.0100e-003	0.2490	0.0672	1.8800e-003	0.0691		428.2331	428.2331	0.0237		428.8260

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	8.1060	56.6846	135.9880	0.2599		2.2692	2.2692		2.2171	2.2171	0.0000	24,586.4376	24,586.4376	5.8320		24,732.2387
Total	8.1060	56.6846	135.9880	0.2599		2.2692	2.2692		2.2171	2.2171	0.0000	24,586.4376	24,586.4376	5.8320		24,732.2387

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0229	0.7948	0.2540	2.7300e-003	0.0745	9.4000e-004	0.0754	0.0214	9.0000e-004	0.0223		296.1238	296.1238	0.0207		296.6406
Worker	0.0649	0.0347	0.3685	1.3200e-003	0.1725	1.0700e-003	0.1736	0.0458	9.8000e-004	0.0467		132.1093	132.1093	3.0500e-003		132.1854
Total	0.0878	0.8294	0.6225	4.0500e-003	0.2470	2.0100e-003	0.2490	0.0672	1.8800e-003	0.0691		428.2331	428.2331	0.0237		428.8260

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	11.5677	81.9164	107.4912	0.2599		3.2345	3.2345		3.0870	3.0870		24,586.4377	24,586.4377	5.8320		24,732.2387
Total	11.5677	81.9164	107.4912	0.2599		3.2345	3.2345		3.0870	3.0870		24,586.4377	24,586.4377	5.8320		24,732.2387

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0224	0.7838	0.2508	2.7100e-003	0.0745	9.2000e-004	0.0754	0.0214	8.8000e-004	0.0223		294.5828	294.5828	0.0205		295.0946
Worker	0.0622	0.0324	0.3475	1.2800e-003	0.1725	1.0100e-003	0.1735	0.0458	9.3000e-004	0.0467		127.6833	127.6833	2.8500e-003		127.7545
Total	0.0846	0.8161	0.5983	3.9900e-003	0.2470	1.9300e-003	0.2489	0.0672	1.8100e-003	0.0690		422.2661	422.2661	0.0233		422.8491

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	8.1060	56.6846	135.9880	0.2599		2.2692	2.2692		2.2171	2.2171	0.0000	24,586.4376	24,586.4376	5.8320		24,732.2387
Total	8.1060	56.6846	135.9880	0.2599		2.2692	2.2692		2.2171	2.2171	0.0000	24,586.4376	24,586.4376	5.8320		24,732.2387

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0224	0.7838	0.2508	2.7100e-003	0.0745	9.2000e-004	0.0754	0.0214	8.8000e-004	0.0223		294.5828	294.5828	0.0205		295.0946
Worker	0.0622	0.0324	0.3475	1.2800e-003	0.1725	1.0100e-003	0.1735	0.0458	9.3000e-004	0.0467		127.6833	127.6833	2.8500e-003		127.7545
Total	0.0846	0.8161	0.5983	3.9900e-003	0.2470	1.9300e-003	0.2489	0.0672	1.8100e-003	0.0690		422.2661	422.2661	0.0233		422.8491

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.0356					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5695	3.8184	6.0305	9.9000e-003		0.1717	0.1717		0.1717	0.1717		938.1602	938.1602	0.0512		939.4396
Total	2.6052	3.8184	6.0305	9.9000e-003		0.1717	0.1717		0.1717	0.1717		938.1602	938.1602	0.0512		939.4396

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0118	6.1600e-003	0.0662	2.4000e-004	0.0329	1.9000e-004	0.0331	8.7200e-003	1.8000e-004	8.8900e-003		24.3206	24.3206	5.4000e-004		24.3342
Total	0.0118	6.1600e-003	0.0662	2.4000e-004	0.0329	1.9000e-004	0.0331	8.7200e-003	1.8000e-004	8.8900e-003		24.3206	24.3206	5.4000e-004		24.3342

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

3.6 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.0356					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5695	3.8184	6.0305	9.9000e-003		0.1717	0.1717		0.1717	0.1717	0.0000	938.1602	938.1602	0.0512		939.4396
Total	2.6052	3.8184	6.0305	9.9000e-003		0.1717	0.1717		0.1717	0.1717	0.0000	938.1602	938.1602	0.0512		939.4396

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0118	6.1600e-003	0.0662	2.4000e-004	0.0329	1.9000e-004	0.0331	8.7200e-003	1.8000e-004	8.8900e-003		24.3206	24.3206	5.4000e-004		24.3342
Total	0.0118	6.1600e-003	0.0662	2.4000e-004	0.0329	1.9000e-004	0.0331	8.7200e-003	1.8000e-004	8.8900e-003		24.3206	24.3206	5.4000e-004		24.3342

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

3.7 Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5732	5.3259	8.7951	0.0136		0.2465	0.2465		0.2276	0.2276		1,297.8096	1,297.8096	0.4114		1,308.0951
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5732	5.3259	8.7951	0.0136		0.2465	0.2465		0.2276	0.2276		1,297.8096	1,297.8096	0.4114		1,308.0951

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0385	0.0200	0.2151	7.9000e-004	0.1068	6.3000e-004	0.1074	0.0283	5.8000e-004	0.0289		79.0420	79.0420	1.7600e-003		79.0861
Total	0.0385	0.0200	0.2151	7.9000e-004	0.1068	6.3000e-004	0.1074	0.0283	5.8000e-004	0.0289		79.0420	79.0420	1.7600e-003		79.0861

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

3.7 Paving - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5732	5.3259	8.7951	0.0136		0.2465	0.2465		0.2276	0.2276	0.0000	1,297.8096	1,297.8096	0.4114		1,308.0951
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5732	5.3259	8.7951	0.0136		0.2465	0.2465		0.2276	0.2276	0.0000	1,297.8096	1,297.8096	0.4114		1,308.0951

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0385	0.0200	0.2151	7.9000e-004	0.1068	6.3000e-004	0.1074	0.0283	5.8000e-004	0.0289		79.0420	79.0420	1.7600e-003		79.0861
Total	0.0385	0.0200	0.2151	7.9000e-004	0.1068	6.3000e-004	0.1074	0.0283	5.8000e-004	0.0289		79.0420	79.0420	1.7600e-003		79.0861

4.0 Operational Detail - Mobile

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

4.1 Mitigation Measures Mobile

- Improve Destination Accessibility
- Implement Trip Reduction Program
- Encourage Telecommuting and Alternative Work Schedules
- Market Commute Trip Reduction Option
- Employee Vanpool/Shuttle

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2030	5.0419	12.4326	0.0463	5.1782	0.0314	5.2096	1.3834	0.0292	1.4126		4,743.5954	4,743.5954	0.2468		4,749.7652
Unmitigated	1.3159	5.5477	14.7680	0.0577	6.5839	0.0384	6.6223	1.7589	0.0357	1.7946		5,914.7338	5,914.7338	0.2972		5,922.1645

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	1,300.00	159.90	68.25	2,296,945	1,806,539
Total	1,300.00	159.90	68.25	2,296,945	1,806,539

4.3 Trip Type Information

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.616428	0.037185	0.177402	0.097684	0.012090	0.005279	0.017663	0.025476	0.001931	0.001677	0.005617	0.000785	0.000782

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

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	0.0326	0.2967	0.2492	1.7800e-003		0.0226	0.0226		0.0226	0.0226		355.9968	355.9968	6.8200e-003	6.5300e-003	358.1123
NaturalGas Unmitigated	0.0388	0.3525	0.2961	2.1100e-003		0.0268	0.0268		0.0268	0.0268		422.9976	422.9976	8.1100e-003	7.7500e-003	425.5113

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	3595.48	0.0388	0.3525	0.2961	2.1100e-003		0.0268	0.0268		0.0268	0.0268		422.9976	422.9976	8.1100e-003	7.7500e-003	425.5113
Total		0.0388	0.3525	0.2961	2.1100e-003		0.0268	0.0268		0.0268	0.0268		422.9976	422.9976	8.1100e-003	7.7500e-003	425.5113

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	3.02597	0.0326	0.2967	0.2492	1.7800e-003		0.0226	0.0226		0.0226	0.0226		355.9968	355.9968	6.8200e-003	6.5300e-003	358.1123
Total		0.0326	0.2967	0.2492	1.7800e-003		0.0226	0.0226		0.0226	0.0226		355.9968	355.9968	6.8200e-003	6.5300e-003	358.1123

6.0 Area Detail

6.1 Mitigation Measures Area

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3701	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Unmitigated	1.4742	6.0000e-005	6.6000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0142	0.0142	4.0000e-005		0.0151

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0825					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-004	6.0000e-005	6.6000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0142	0.0142	4.0000e-005		0.0151
Total	1.4741	6.0000e-005	6.6000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0142	0.0142	4.0000e-005		0.0151

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	0.0825					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.9000e-004	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Total	1.3701	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

Scripps Mercy HSB Construction - San Diego Air Basin, Winter

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Scripps Mercy MOB II - San Diego Air Basin, Annual

Scripps Mercy MOB II
San Diego Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	200.00	1000sqft	4.59	200,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2030
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Scripps Mercy MOB II - San Diego Air Basin, Annual

Project Characteristics -

Land Use -

Construction Phase - Phases adjusted for activity to begin April 2023 and end in Dec 2024.

Off-road Equipment - Architectural coating equipment as default.

Off-road Equipment - Building construction equipment based on MOB equipment list and adjusted for MOB II.

Off-road Equipment - Equipment based on equipment list for MOB and adjusted for MOB II.

Off-road Equipment - Equipment based on equipment list for MOB and adjusted for MOB II.

Off-road Equipment - Paving equipment as default.

Off-road Equipment - Equipment based on equipment list for MOB and adjusted for MOB II.

Trips and VMT - Haul trips for soil export split between grading and excavation phases, based on number of day in sub-phase.

Grading - Material export is conservatively assumed to be 87.5% of overall project material export (cy). Total acres graded same as building area.

Architectural Coating - SDAPCD Rule 60.0.1. Architectural Coatings: 50 g/L VOC will be applied for interior and exterior paint. Traffic markings paints are listed as 100 g/L VOC.

Vehicle Trips - Driveway trip rate from TIA, Dec 2020 shown as 50/ksf (applied for week days). Weekend trips remain as default.

Area Coating - SDAPCD Rule 67.0.1 Architectural Coatings for reapplication: 50 g/L interior and exterior, with 100 g/L for parking lot paints

Construction Off-road Equipment Mitigation - Tier 4 engines will be implemented for clean fleet construction equipment, over 200 hp.

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Area Mitigation - Use of low VOC cleaning supplies and 3% electric landscaping.

Energy Mitigation - 20% improvement for health care facilities assumed for the new 2022 Building Standards for health care facilities. 20% lighting energy reduction for non-residential per 2022 Stds.

Waste Mitigation - 25% reduction in waste for health care facility

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	0.00	137,000.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	100.00

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tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	100
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaCoating	Area_Parking	0	137000
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
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	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	5.00	15.00
tblConstructionPhase	NumDays	8.00	45.00
tblConstructionPhase	NumDays	230.00	215.00
tblConstructionPhase	NumDays	18.00	30.00
tblConstructionPhase	NumDays	18.00	75.00
tblConstructionPhase	PhaseEndDate	4/7/2023	4/21/2023
tblConstructionPhase	PhaseEndDate	4/19/2023	6/23/2023
tblConstructionPhase	PhaseEndDate	4/19/2023	10/6/2023

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tblConstructionPhase	PhaseEndDate	3/6/2024	8/2/2024
tblConstructionPhase	PhaseEndDate	4/1/2024	9/13/2024
tblConstructionPhase	PhaseEndDate	4/25/2024	12/27/2024
tblConstructionPhase	PhaseStartDate	4/8/2023	4/22/2023
tblConstructionPhase	PhaseStartDate	4/20/2023	6/24/2023
tblConstructionPhase	PhaseStartDate	4/20/2023	10/7/2023
tblConstructionPhase	PhaseStartDate	3/7/2024	8/3/2024
tblConstructionPhase	PhaseStartDate	4/2/2024	9/14/2024
tblGrading	AcresOfGrading	67.50	4.59
tblGrading	MaterialExported	0.00	102,550.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblTripsAndVMT	HaulingTripNumber	12,819.00	4,807.00
tblTripsAndVMT	HaulingTripNumber	0.00	8,012.00
tblVehicleTrips	WD_TR	36.13	50.00

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-3-2023	7-2-2023	1.2073	0.7433
2	7-3-2023	10-2-2023	1.0803	0.8694
3	10-3-2023	1-2-2024	1.5890	1.2361
4	1-3-2024	4-2-2024	1.5057	1.1785
5	4-3-2024	7-2-2024	1.5046	1.1775
6	7-3-2024	9-30-2024	0.7866	0.6751
		Highest	1.5890	1.2361

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	0.8594	2.0000e-005	1.8300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.5700e-003	3.5700e-003	1.0000e-005	0.0000	3.8000e-003
Energy	0.0218	0.1979	0.1663	1.1900e-003		0.0150	0.0150		0.0150	0.0150	0.0000	1,093.9450	1,093.9450	0.0395	0.0113	1,098.2895
Mobile	1.2385	5.3594	13.1278	0.0505	5.4871	0.0337	5.5208	1.4688	0.0313	1.5001	0.0000	4,703.2108	4,703.2108	0.2373	0.0000	4,709.1443
Waste						0.0000	0.0000		0.0000	0.0000	438.4605	0.0000	438.4605	25.9123	0.0000	1,086.2673
Water						0.0000	0.0000		0.0000	0.0000	7.9618	124.1496	132.1114	0.8228	0.0203	158.7425
Total	2.1196	5.5573	13.2959	0.0517	5.4871	0.0488	5.5359	1.4688	0.0464	1.5151	446.4223	5,921.3089	6,367.7313	27.0119	0.0316	7,052.4474

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8010	2.0000e-005	1.8100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.5200e-003	3.5200e-003	1.0000e-005	0.0000	3.7500e-003
Energy	0.0183	0.1666	0.1399	1.0000e-003		0.0127	0.0127		0.0127	0.0127	0.0000	949.0907	949.0907	0.0344	9.7200e-003	952.8462
Mobile	1.1420	4.9297	11.1174	0.0407	4.3158	0.0278	4.3435	1.1552	0.0258	1.1810	0.0000	3,790.9610	3,790.9610	0.1982	0.0000	3,795.9171
Waste						0.0000	0.0000		0.0000	0.0000	328.8454	0.0000	328.8454	19.4342	0.0000	814.7005
Water						0.0000	0.0000		0.0000	0.0000	7.9618	124.1496	132.1114	0.8228	0.0203	158.7425
Total	1.9613	5.0963	11.2592	0.0417	4.3158	0.0404	4.3562	1.1552	0.0385	1.1937	336.8072	4,864.2049	5,201.0121	20.4896	0.0301	5,722.2100

	ROG	NOx	CO	SO2	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	7.47	8.30	15.32	19.37	21.35	17.08	21.31	21.35	17.08	21.22	24.55	17.85	18.32	24.15	4.90	18.86

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/3/2023	4/21/2023	5	15	
2	Grading	Grading	4/22/2023	6/23/2023	5	45	
3	Excavation	Trenching	6/24/2023	10/6/2023	5	75	
4	Building Construction	Building Construction	10/7/2023	8/2/2024	5	215	
5	Paving	Paving	8/3/2024	9/13/2024	5	30	
6	Architectural Coating	Architectural Coating	9/14/2024	12/27/2024	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4.59

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 300,000; Non-Residential Outdoor: 100,000; Striped Parking Area: 137,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	2	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	Scrapers	1	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Excavation	Excavators	2	8.00	158	0.38
Excavation	Off-Highway Trucks	2	8.00	402	0.38
Excavation	Tractors/Loaders/Backhoes	2	8.00	97	0.37

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Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Bore/Drill Rigs	1	6.00	221	0.50
Building Construction	Cement and Mortar Mixers	4	8.00	9	0.56
Building Construction	Concrete/Industrial Saws	3	6.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Off-Highway Trucks	2	8.00	402	0.38
Building Construction	Other General Industrial Equipment	4	8.00	88	0.34
Building Construction	Plate Compactors	1	8.00	8	0.43
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Welders	4	8.00	46	0.45
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

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	4,807.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Excavation	6	15.00	0.00	8,012.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	25	64.00	33.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	10.80	7.30	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 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0125	0.1299	0.0801	1.7000e-004		5.9500e-003	5.9500e-003		5.4700e-003	5.4700e-003	0.0000	15.3574	15.3574	4.9700e-003	0.0000	15.4816
Total	0.0125	0.1299	0.0801	1.7000e-004	0.0903	5.9500e-003	0.0963	0.0497	5.4700e-003	0.0551	0.0000	15.3574	15.3574	4.9700e-003	0.0000	15.4816

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3.2 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.5000e-004	1.6100e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4868	0.4868	1.0000e-005	0.0000	0.4871
Total	2.3000e-004	1.5000e-004	1.6100e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4868	0.4868	1.0000e-005	0.0000	0.4871

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.8400e-003	0.0298	0.0910	1.7000e-004		1.3500e-003	1.3500e-003		1.2600e-003	1.2600e-003	0.0000	15.3574	15.3574	4.9700e-003	0.0000	15.4816
Total	3.8400e-003	0.0298	0.0910	1.7000e-004	0.0352	1.3500e-003	0.0366	0.0194	1.2600e-003	0.0206	0.0000	15.3574	15.3574	4.9700e-003	0.0000	15.4816

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3.2 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.5000e-004	1.6100e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4868	0.4868	1.0000e-005	0.0000	0.4871
Total	2.3000e-004	1.5000e-004	1.6100e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4868	0.4868	1.0000e-005	0.0000	0.4871

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1451	0.0000	0.1451	0.0758	0.0000	0.0758	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0494	0.5208	0.3696	8.7000e-004		0.0213	0.0213		0.0196	0.0196	0.0000	76.3328	76.3328	0.0247	0.0000	76.9500
Total	0.0494	0.5208	0.3696	8.7000e-004	0.1451	0.0213	0.1665	0.0758	0.0196	0.0955	0.0000	76.3328	76.3328	0.0247	0.0000	76.9500

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3.3 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0121	0.3943	0.1440	1.7400e-003	0.0411	7.3000e-004	0.0419	0.0113	7.0000e-004	0.0120	0.0000	174.5286	174.5286	0.0156	0.0000	174.9189
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.1000e-004	6.0000e-004	6.2900e-003	2.0000e-005	2.3500e-003	2.0000e-005	2.3600e-003	6.2000e-004	1.0000e-005	6.4000e-004	0.0000	1.8985	1.8985	5.0000e-005	0.0000	1.8998
Total	0.0130	0.3949	0.1503	1.7600e-003	0.0435	7.5000e-004	0.0442	0.0119	7.1000e-004	0.0126	0.0000	176.4271	176.4271	0.0157	0.0000	176.8187

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0566	0.0000	0.0566	0.0296	0.0000	0.0296	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0228	0.2025	0.4016	8.7000e-004		7.6800e-003	7.6800e-003		7.1300e-003	7.1300e-003	0.0000	76.3327	76.3327	0.0247	0.0000	76.9499
Total	0.0228	0.2025	0.4016	8.7000e-004	0.0566	7.6800e-003	0.0643	0.0296	7.1300e-003	0.0367	0.0000	76.3327	76.3327	0.0247	0.0000	76.9499

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3.3 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0121	0.3943	0.1440	1.7400e-003	0.0411	7.3000e-004	0.0419	0.0113	7.0000e-004	0.0120	0.0000	174.5286	174.5286	0.0156	0.0000	174.9189
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.1000e-004	6.0000e-004	6.2900e-003	2.0000e-005	2.3500e-003	2.0000e-005	2.3600e-003	6.2000e-004	1.0000e-005	6.4000e-004	0.0000	1.8985	1.8985	5.0000e-005	0.0000	1.8998
Total	0.0130	0.3949	0.1503	1.7600e-003	0.0435	7.5000e-004	0.0442	0.0119	7.1000e-004	0.0126	0.0000	176.4271	176.4271	0.0157	0.0000	176.8187

3.4 Excavation - 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	0.0633	0.4989	0.6583	1.6100e-003		0.0211	0.0211		0.0194	0.0194	0.0000	141.6277	141.6277	0.0458	0.0000	142.7728
Total	0.0633	0.4989	0.6583	1.6100e-003		0.0211	0.0211		0.0194	0.0194	0.0000	141.6277	141.6277	0.0458	0.0000	142.7728

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3.4 Excavation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0202	0.6572	0.2400	2.9100e-003	0.0686	1.2200e-003	0.0698	0.0188	1.1600e-003	0.0200	0.0000	290.8931	290.8931	0.0260	0.0000	291.5436
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7500e-003	1.1600e-003	0.0121	4.0000e-005	4.5100e-003	3.0000e-005	4.5400e-003	1.2000e-003	3.0000e-005	1.2300e-003	0.0000	3.6510	3.6510	9.0000e-005	0.0000	3.6534
Total	0.0220	0.6583	0.2521	2.9500e-003	0.0731	1.2500e-003	0.0743	0.0200	1.1900e-003	0.0212	0.0000	294.5441	294.5441	0.0261	0.0000	295.1970

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0376	0.2839	0.8562	1.6100e-003		0.0130	0.0130		0.0121	0.0121	0.0000	141.6275	141.6275	0.0458	0.0000	142.7727
Total	0.0376	0.2839	0.8562	1.6100e-003		0.0130	0.0130		0.0121	0.0121	0.0000	141.6275	141.6275	0.0458	0.0000	142.7727

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3.4 Excavation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0202	0.6572	0.2400	2.9100e-003	0.0686	1.2200e-003	0.0698	0.0188	1.1600e-003	0.0200	0.0000	290.8931	290.8931	0.0260	0.0000	291.5436
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7500e-003	1.1600e-003	0.0121	4.0000e-005	4.5100e-003	3.0000e-005	4.5400e-003	1.2000e-003	3.0000e-005	1.2300e-003	0.0000	3.6510	3.6510	9.0000e-005	0.0000	3.6534
Total	0.0220	0.6583	0.2521	2.9500e-003	0.0731	1.2500e-003	0.0743	0.0200	1.1900e-003	0.0212	0.0000	294.5441	294.5441	0.0261	0.0000	295.1970

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1588	1.2272	1.4009	2.9400e-003		0.0559	0.0559		0.0536	0.0536	0.0000	249.3098	249.3098	0.0523	0.0000	250.6170
Total	0.1588	1.2272	1.4009	2.9400e-003		0.0559	0.0559		0.0536	0.0536	0.0000	249.3098	249.3098	0.0523	0.0000	250.6170

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3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2000e-003	0.0755	0.0234	2.6000e-004	6.5700e-003	9.0000e-005	6.6600e-003	1.9000e-003	9.0000e-005	1.9800e-003	0.0000	24.9921	24.9921	1.7000e-003	0.0000	25.0346
Worker	5.9900e-003	3.9600e-003	0.0413	1.4000e-004	0.0154	1.0000e-004	0.0155	4.0900e-003	1.0000e-004	4.1900e-003	0.0000	12.4621	12.4621	3.2000e-004	0.0000	12.4701
Total	8.1900e-003	0.0794	0.0647	4.0000e-004	0.0220	1.9000e-004	0.0222	5.9900e-003	1.9000e-004	6.1700e-003	0.0000	37.4541	37.4541	2.0200e-003	0.0000	37.5047

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1287	0.9286	1.6300	2.9400e-003		0.0443	0.0443		0.0432	0.0432	0.0000	249.3095	249.3095	0.0523	0.0000	250.6167
Total	0.1287	0.9286	1.6300	2.9400e-003		0.0443	0.0443		0.0432	0.0432	0.0000	249.3095	249.3095	0.0523	0.0000	250.6167

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3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2000e-003	0.0755	0.0234	2.6000e-004	6.5700e-003	9.0000e-005	6.6600e-003	1.9000e-003	9.0000e-005	1.9800e-003	0.0000	24.9921	24.9921	1.7000e-003	0.0000	25.0346
Worker	5.9900e-003	3.9600e-003	0.0413	1.4000e-004	0.0154	1.0000e-004	0.0155	4.0900e-003	1.0000e-004	4.1900e-003	0.0000	12.4621	12.4621	3.2000e-004	0.0000	12.4701
Total	8.1900e-003	0.0794	0.0647	4.0000e-004	0.0220	1.9000e-004	0.0222	5.9900e-003	1.9000e-004	6.1700e-003	0.0000	37.4541	37.4541	2.0200e-003	0.0000	37.5047

3.5 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	0.3893	2.9792	3.6013	7.5800e-003		0.1276	0.1276		0.1224	0.1224	0.0000	644.2293	644.2293	0.1342	0.0000	647.5853
Total	0.3893	2.9792	3.6013	7.5800e-003		0.1276	0.1276		0.1224	0.1224	0.0000	644.2293	644.2293	0.1342	0.0000	647.5853

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3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4700e-003	0.1922	0.0585	6.5000e-004	0.0170	2.3000e-004	0.0172	4.9000e-003	2.2000e-004	5.1200e-003	0.0000	64.1525	64.1525	4.3400e-003	0.0000	64.2609
Worker	0.0147	9.3900e-003	0.0996	3.4000e-004	0.0398	2.6000e-004	0.0400	0.0106	2.4000e-004	0.0108	0.0000	30.9262	30.9262	7.7000e-004	0.0000	30.9454
Total	0.0202	0.2016	0.1582	9.9000e-004	0.0568	4.9000e-004	0.0572	0.0155	4.6000e-004	0.0159	0.0000	95.0787	95.0787	5.1100e-003	0.0000	95.2063

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3142	2.2741	4.2029	7.5800e-003		0.1004	0.1004		0.0978	0.0978	0.0000	644.2286	644.2286	0.1342	0.0000	647.5846
Total	0.3142	2.2741	4.2029	7.5800e-003		0.1004	0.1004		0.0978	0.0978	0.0000	644.2286	644.2286	0.1342	0.0000	647.5846

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3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4700e-003	0.1922	0.0585	6.5000e-004	0.0170	2.3000e-004	0.0172	4.9000e-003	2.2000e-004	5.1200e-003	0.0000	64.1525	64.1525	4.3400e-003	0.0000	64.2609
Worker	0.0147	9.3900e-003	0.0996	3.4000e-004	0.0398	2.6000e-004	0.0400	0.0106	2.4000e-004	0.0108	0.0000	30.9262	30.9262	7.7000e-004	0.0000	30.9454
Total	0.0202	0.2016	0.1582	9.9000e-004	0.0568	4.9000e-004	0.0572	0.0155	4.6000e-004	0.0159	0.0000	95.0787	95.0787	5.1100e-003	0.0000	95.2063

3.6 Paving - 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	0.0132	0.1241	0.1833	2.8000e-004		5.9800e-003	5.9800e-003		5.5300e-003	5.5300e-003	0.0000	24.5705	24.5705	7.7200e-003	0.0000	24.7635
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0132	0.1241	0.1833	2.8000e-004		5.9800e-003	5.9800e-003		5.5300e-003	5.5300e-003	0.0000	24.5705	24.5705	7.7200e-003	0.0000	24.7635

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3.6 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	5.7000e-004	6.0300e-003	2.0000e-005	2.4100e-003	2.0000e-005	2.4200e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	1.8705	1.8705	5.0000e-005	0.0000	1.8717
Total	8.9000e-004	5.7000e-004	6.0300e-003	2.0000e-005	2.4100e-003	2.0000e-005	2.4200e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	1.8705	1.8705	5.0000e-005	0.0000	1.8717

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1241	0.1833	2.8000e-004		5.9800e-003	5.9800e-003		5.5300e-003	5.5300e-003	0.0000	24.5704	24.5704	7.7200e-003	0.0000	24.7635
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0132	0.1241	0.1833	2.8000e-004		5.9800e-003	5.9800e-003		5.5300e-003	5.5300e-003	0.0000	24.5704	24.5704	7.7200e-003	0.0000	24.7635

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3.6 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	5.7000e-004	6.0300e-003	2.0000e-005	2.4100e-003	2.0000e-005	2.4200e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	1.8705	1.8705	5.0000e-005	0.0000	1.8717
Total	8.9000e-004	5.7000e-004	6.0300e-003	2.0000e-005	2.4100e-003	2.0000e-005	2.4200e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	1.8705	1.8705	5.0000e-005	0.0000	1.8717

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7810					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7800e-003	0.0457	0.0679	1.1000e-004		2.2800e-003	2.2800e-003		2.2800e-003	2.2800e-003	0.0000	9.5747	9.5747	5.4000e-004	0.0000	9.5882
Total	0.7878	0.0457	0.0679	1.1000e-004		2.2800e-003	2.2800e-003		2.2800e-003	2.2800e-003	0.0000	9.5747	9.5747	5.4000e-004	0.0000	9.5882

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3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4500e-003	9.2000e-004	9.7900e-003	3.0000e-005	3.9100e-003	3.0000e-005	3.9400e-003	1.0400e-003	2.0000e-005	1.0600e-003	0.0000	3.0396	3.0396	8.0000e-005	0.0000	3.0415
Total	1.4500e-003	9.2000e-004	9.7900e-003	3.0000e-005	3.9100e-003	3.0000e-005	3.9400e-003	1.0400e-003	2.0000e-005	1.0600e-003	0.0000	3.0396	3.0396	8.0000e-005	0.0000	3.0415

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7810					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7800e-003	0.0457	0.0679	1.1000e-004		2.2800e-003	2.2800e-003		2.2800e-003	2.2800e-003	0.0000	9.5747	9.5747	5.4000e-004	0.0000	9.5882
Total	0.7878	0.0457	0.0679	1.1000e-004		2.2800e-003	2.2800e-003		2.2800e-003	2.2800e-003	0.0000	9.5747	9.5747	5.4000e-004	0.0000	9.5882

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3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4500e-003	9.2000e-004	9.7900e-003	3.0000e-005	3.9100e-003	3.0000e-005	3.9400e-003	1.0400e-003	2.0000e-005	1.0600e-003	0.0000	3.0396	3.0396	8.0000e-005	0.0000	3.0415
Total	1.4500e-003	9.2000e-004	9.7900e-003	3.0000e-005	3.9100e-003	3.0000e-005	3.9400e-003	1.0400e-003	2.0000e-005	1.0600e-003	0.0000	3.0396	3.0396	8.0000e-005	0.0000	3.0415

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Destination Accessibility

Implement Trip Reduction Program

Encourage Telecommuting and Alternative Work Schedules

Market Commute Trip Reduction Option

Employee Vanpool/Shuttle

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.1420	4.9297	11.1174	0.0407	4.3158	0.0278	4.3435	1.1552	0.0258	1.1810	0.0000	3,790.9610	3,790.9610	0.1982	0.0000	3,795.9171
Unmitigated	1.2385	5.3594	13.1278	0.0505	5.4871	0.0337	5.5208	1.4688	0.0313	1.5001	0.0000	4,703.2108	4,703.2108	0.2373	0.0000	4,709.1443

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Medical Office Building	10,000.00	1,792.00	310.00	14,568,090	11,458,259
Total	10,000.00	1,792.00	310.00	14,568,090	11,458,259

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
Medical Office Building	9.50	7.30	7.30	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
Medical Office Building	0.616428	0.037185	0.177402	0.097684	0.012090	0.005279	0.017663	0.025476	0.001931	0.001677	0.005617	0.000785	0.000782

5.0 Energy Detail

Historical Energy Use: N

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5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	767.7392	767.7392	0.0309	6.3900e-003	770.4170
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	878.4620	878.4620	0.0354	7.3200e-003	881.5260
NaturalGas Mitigated	0.0183	0.1666	0.1399	1.0000e-003		0.0127	0.0127		0.0127	0.0127	0.0000	181.3516	181.3516	3.4800e-003	3.3200e-003	182.4293
NaturalGas Unmitigated	0.0218	0.1979	0.1663	1.1900e-003		0.0150	0.0150		0.0150	0.0150	0.0000	215.4831	215.4831	4.1300e-003	3.9500e-003	216.7636

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Medical Office Building	4.038e+006	0.0218	0.1979	0.1663	1.1900e-003		0.0150	0.0150		0.0150	0.0150	0.0000	215.4831	215.4831	4.1300e-003	3.9500e-003	216.7636
Total		0.0218	0.1979	0.1663	1.1900e-003		0.0150	0.0150		0.0150	0.0150	0.0000	215.4831	215.4831	4.1300e-003	3.9500e-003	216.7636

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Medical Office Building	3.3984e+006	0.0183	0.1666	0.1399	1.0000e-003		0.0127	0.0127		0.0127	0.0127	0.0000	181.3516	181.3516	3.4800e-003	3.3200e-003	182.4293
Total		0.0183	0.1666	0.1399	1.0000e-003		0.0127	0.0127		0.0127	0.0127	0.0000	181.3516	181.3516	3.4800e-003	3.3200e-003	182.4293

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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			
Medical Office Building	2.688e+006	878.4620	0.0354	7.3200e-003	881.5260
Total		878.4620	0.0354	7.3200e-003	881.5260

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Medical Office Building	2.3492e+006	767.7392	0.0309	6.3900e-003	770.4170
Total		767.7392	0.0309	6.3900e-003	770.4170

6.0 Area Detail

6.1 Mitigation Measures Area

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- Use Electric Lawnmower
- Use Electric Leafblower
- Use Electric Chainsaw
- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8010	2.0000e-005	1.8100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.5200e-003	3.5200e-003	1.0000e-005	0.0000	3.7500e-003
Unmitigated	0.8594	2.0000e-005	1.8300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.5700e-003	3.5700e-003	1.0000e-005	0.0000	3.8000e-003

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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0781					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7811					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7000e-004	2.0000e-005	1.8300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.5700e-003	3.5700e-003	1.0000e-005	0.0000	3.8000e-003
Total	0.8594	2.0000e-005	1.8300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.5700e-003	3.5700e-003	1.0000e-005	0.0000	3.8000e-003

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	0.0781					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7227					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6000e-004	2.0000e-005	1.8100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.5200e-003	3.5200e-003	1.0000e-005	0.0000	3.7500e-003
Total	0.8010	2.0000e-005	1.8100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.5200e-003	3.5200e-003	1.0000e-005	0.0000	3.7500e-003

7.0 Water Detail

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7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	132.1114	0.8228	0.0203	158.7425
Unmitigated	132.1114	0.8228	0.0203	158.7425

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Medical Office Building	25.0961 / 4.78021	132.1114	0.8228	0.0203	158.7425
Total		132.1114	0.8228	0.0203	158.7425

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Medical Office Building	25.0961 / 4.78021	132.1114	0.8228	0.0203	158.7425
Total		132.1114	0.8228	0.0203	158.7425

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	328.8454	19.4342	0.0000	814.7005
Unmitigated	438.4605	25.9123	0.0000	1,086.267 3

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Medical Office Building	2160	438.4605	25.9123	0.0000	1,086.267 3
Total		438.4605	25.9123	0.0000	1,086.267 3

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Medical Office Building	1620	328.8454	19.4342	0.0000	814.7005
Total		328.8454	19.4342	0.0000	814.7005

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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Scripps Mercy MOB II - San Diego Air Basin, Summer

Scripps Mercy MOB II
San Diego Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	200.00	1000sqft	4.59	200,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2030
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Scripps Mercy MOB II - San Diego Air Basin, Summer

Project Characteristics -

Land Use -

Construction Phase - Phases adjusted for activity to begin April 2023 and end in Dec 2024.

Off-road Equipment - Architectural coating equipment as default.

Off-road Equipment - Building construction equipment based on MOB equipment list and adjusted for MOB II.

Off-road Equipment - Equipment based on equipment list for MOB and adjusted for MOB II.

Off-road Equipment - Equipment based on equipment list for MOB and adjusted for MOB II.

Off-road Equipment - Paving equipment as default.

Off-road Equipment - Equipment based on equipment list for MOB and adjusted for MOB II.

Trips and VMT - Haul trips for soil export split between grading and excavation phases, based on number of day in sub-phase.

Grading - Material export is conservatively assumed to be 87.5% of overall project material export (cy). Total acres graded same as building area.

Architectural Coating - SDAPCD Rule 60.0.1. Architectural Coatings: 50 g/L VOC will be applied for interior and exterior paint. Traffic markings paints are listed as 100 g/L VOC.

Vehicle Trips - Driveway trip rate from TIA, Dec 2020 shown as 50/ksf (applied for week days). Weekend trips remain as default.

Area Coating - SDAPCD Rule 67.0.1 Architectural Coatings for reapplication: 50 g/L interior and exterior, with 100 g/L for parking lot paints

Construction Off-road Equipment Mitigation - Tier 4 engines will be implemented for clean fleet construction equipment, over 200 hp.

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Area Mitigation - Use of low VOC cleaning supplies and 3% electric landscaping.

Energy Mitigation - 20% improvement for health care facilities assumed for the new 2022 Building Standards for health care facilities. 20% lighting energy reduction for non-residential per 2022 Stds.

Waste Mitigation - 25% reduction in waste for health care facility

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	0.00	137,000.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	100.00

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tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	100
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaCoating	Area_Parking	0	137000
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
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	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	5.00	15.00
tblConstructionPhase	NumDays	8.00	45.00
tblConstructionPhase	NumDays	230.00	215.00
tblConstructionPhase	NumDays	18.00	30.00
tblConstructionPhase	NumDays	18.00	75.00
tblConstructionPhase	PhaseEndDate	4/7/2023	4/21/2023
tblConstructionPhase	PhaseEndDate	4/19/2023	6/23/2023
tblConstructionPhase	PhaseEndDate	4/19/2023	10/6/2023

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tblConstructionPhase	PhaseEndDate	3/6/2024	8/2/2024
tblConstructionPhase	PhaseEndDate	4/1/2024	9/13/2024
tblConstructionPhase	PhaseEndDate	4/25/2024	12/27/2024
tblConstructionPhase	PhaseStartDate	4/8/2023	4/22/2023
tblConstructionPhase	PhaseStartDate	4/20/2023	6/24/2023
tblConstructionPhase	PhaseStartDate	4/20/2023	10/7/2023
tblConstructionPhase	PhaseStartDate	3/7/2024	8/3/2024
tblConstructionPhase	PhaseStartDate	4/2/2024	9/14/2024
tblGrading	AcresOfGrading	67.50	4.59
tblGrading	MaterialExported	0.00	102,550.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblTripsAndVMT	HaulingTripNumber	12,819.00	4,807.00
tblTripsAndVMT	HaulingTripNumber	0.00	8,012.00
tblVehicleTrips	WD_TR	36.13	50.00

2.0 Emissions Summary

Scripps Mercy MOB II - San Diego Air Basin, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.7098	1.8000e-004	0.0203	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0438	0.0438	1.1000e-004		0.0466
Energy	0.1193	1.0846	0.9111	6.5100e-003		0.0824	0.0824		0.0824	0.0824		1,301.5310	1,301.5310	0.0250	0.0239	1,309.2654
Mobile	9.7463	38.8414	98.5620	0.3890	41.4793	0.2488	41.7281	11.0814	0.2311	11.3125		39,881.2266	39,881.2266	1.9309		39,929.4981
Total	14.5754	39.9262	99.4934	0.3955	41.4793	0.3313	41.8106	11.0814	0.3136	11.3950		41,182.8014	41,182.8014	1.9559	0.0239	41,238.8101

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	4.3898	1.8000e-004	0.0201	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0432	0.0432	1.1000e-004		0.0459
Energy	0.1004	0.9128	0.7668	5.4800e-003		0.0694	0.0694		0.0694	0.0694		1,095.3747	1,095.3747	0.0210	0.0201	1,101.8840
Mobile	9.0237	35.8541	82.4962	0.3133	32.6248	0.2048	32.8296	8.7159	0.1901	8.9060		32,145.8304	32,145.8304	1.6061		32,185.9827
Total	13.5139	36.7671	83.2830	0.3188	32.6248	0.2742	32.8990	8.7159	0.2596	8.9755		33,241.2483	33,241.2483	1.6272	0.0201	33,287.9126

Scripps Mercy MOB II - San Diego Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	7.28	7.91	16.29	19.41	21.35	17.23	21.31	21.35	17.22	21.23	0.00	19.28	19.28	16.81	15.84	19.28

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	4/3/2023	4/21/2023	5	15	
2	Grading	Grading	4/22/2023	6/23/2023	5	45	
3	Excavation	Trenching	6/24/2023	10/6/2023	5	75	
4	Building Construction	Building Construction	10/7/2023	8/2/2024	5	215	
5	Paving	Paving	8/3/2024	9/13/2024	5	30	
6	Architectural Coating	Architectural Coating	9/14/2024	12/27/2024	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4.59

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 300,000; Non-Residential Outdoor: 100,000; Striped Parking Area: 137,000 (Architectural Coating – sqft)

OffRoad Equipment

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

Scripps Mercy MOB II - San Diego Air Basin, Summer

Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Excavation	Excavators	2	8.00	158	0.38
Excavation	Off-Highway Trucks	2	8.00	402	0.38
Excavation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Bore/Drill Rigs	1	6.00	221	0.50
Building Construction	Cement and Mortar Mixers	4	8.00	9	0.56
Building Construction	Concrete/Industrial Saws	3	6.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Off-Highway Trucks	2	8.00	402	0.38
Building Construction	Other General Industrial Equipment	4	8.00	88	0.34
Building Construction	Plate Compactors	1	8.00	8	0.43
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Welders	4	8.00	46	0.45
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

Scripps Mercy MOB II - San Diego Air Basin, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	4,807.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Excavation	6	15.00	0.00	8,012.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	25	64.00	33.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	10.80	7.30	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 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.0442	0.0000	12.0442	6.6205	0.0000	6.6205			0.0000			0.0000
Off-Road	1.6721	17.3257	10.6753	0.0233		0.7935	0.7935		0.7300	0.7300		2,257.154 4	2,257.154 4	0.7300		2,275.404 6
Total	1.6721	17.3257	10.6753	0.0233	12.0442	0.7935	12.8376	6.6205	0.7300	7.3504		2,257.154 4	2,257.154 4	0.7300		2,275.404 6

Scripps Mercy MOB II - San Diego Air Basin, Summer

3.2 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0310	0.0187	0.2291	7.6000e-004	0.0822	5.4000e-004	0.0827	0.0218	5.0000e-004	0.0223		75.4567	75.4567	1.9500e-003		75.5055
Total	0.0310	0.0187	0.2291	7.6000e-004	0.0822	5.4000e-004	0.0827	0.0218	5.0000e-004	0.0223		75.4567	75.4567	1.9500e-003		75.5055

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					4.6972	0.0000	4.6972	2.5820	0.0000	2.5820			0.0000			0.0000
Off-Road	0.5118	3.9775	12.1298	0.0233		0.1795	0.1795		0.1674	0.1674	0.0000	2,257.1544	2,257.1544	0.7300		2,275.4046
Total	0.5118	3.9775	12.1298	0.0233	4.6972	0.1795	4.8767	2.5820	0.1674	2.7494	0.0000	2,257.1544	2,257.1544	0.7300		2,275.4046

Scripps Mercy MOB II - San Diego Air Basin, Summer

3.2 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0310	0.0187	0.2291	7.6000e-004	0.0822	5.4000e-004	0.0827	0.0218	5.0000e-004	0.0223		75.4567	75.4567	1.9500e-003		75.5055
Total	0.0310	0.0187	0.2291	7.6000e-004	0.0822	5.4000e-004	0.0827	0.0218	5.0000e-004	0.0223		75.4567	75.4567	1.9500e-003		75.5055

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.4505	0.0000	6.4505	3.3704	0.0000	3.3704			0.0000			0.0000
Off-Road	2.1949	23.1479	16.4251	0.0386		0.9481	0.9481		0.8722	0.8722		3,739.6668	3,739.6668	1.2095		3,769.9039
Total	2.1949	23.1479	16.4251	0.0386	6.4505	0.9481	7.3986	3.3704	0.8722	4.2426		3,739.6668	3,739.6668	1.2095		3,769.9039

Scripps Mercy MOB II - San Diego Air Basin, Summer

3.3 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5323	17.2767	6.2724	0.0781	1.8666	0.0320	1.8985	0.5115	0.0306	0.5421		8,613.4668	8,613.4668	0.7560		8,632.3676
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0403	0.0243	0.2978	9.8000e-004	0.1068	7.1000e-004	0.1075	0.0283	6.5000e-004	0.0290		98.0937	98.0937	2.5400e-003		98.1571
Total	0.5726	17.3010	6.5702	0.0790	1.9733	0.0327	2.0060	0.5399	0.0312	0.5711		8,711.5605	8,711.5605	0.7586		8,730.5247

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.5157	0.0000	2.5157	1.3145	0.0000	1.3145			0.0000			0.0000
Off-Road	1.0145	8.9982	17.8505	0.0386		0.3412	0.3412		0.3170	0.3170	0.0000	3,739.6668	3,739.6668	1.2095		3,769.9039
Total	1.0145	8.9982	17.8505	0.0386	2.5157	0.3412	2.8569	1.3145	0.3170	1.6314	0.0000	3,739.6668	3,739.6668	1.2095		3,769.9039

Scripps Mercy MOB II - San Diego Air Basin, Summer

3.3 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5323	17.2767	6.2724	0.0781	1.8666	0.0320	1.8985	0.5115	0.0306	0.5421		8,613.4668	8,613.4668	0.7560		8,632.3676
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0403	0.0243	0.2978	9.8000e-004	0.1068	7.1000e-004	0.1075	0.0283	6.5000e-004	0.0290		98.0937	98.0937	2.5400e-003		98.1571
Total	0.5726	17.3010	6.5702	0.0790	1.9733	0.0327	2.0060	0.5399	0.0312	0.5711		8,711.5605	8,711.5605	0.7586		8,730.5247

3.4 Excavation - 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	1.6878	13.3044	17.5552	0.0430		0.5613	0.5613		0.5164	0.5164		4,163.1413	4,163.1413	1.3464		4,196.8024
Total	1.6878	13.3044	17.5552	0.0430		0.5613	0.5613		0.5164	0.5164		4,163.1413	4,163.1413	1.3464		4,196.8024

Scripps Mercy MOB II - San Diego Air Basin, Summer

3.4 Excavation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5323	17.2774	6.2727	0.0781	1.8666	0.0320	1.8986	0.5116	0.0306	0.5422		8,613.825 2	8,613.825 2	0.7561		8,632.726 7
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0464	0.0281	0.3437	1.1400e-003	0.1232	8.2000e-004	0.1240	0.0327	7.5000e-004	0.0334		113.1851	113.1851	2.9300e-003		113.2582
Total	0.5788	17.3055	6.6163	0.0792	1.9899	0.0328	2.0226	0.5442	0.0313	0.5756		8,727.010 3	8,727.010 3	0.7590		8,745.984 9

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0034	7.5696	22.8328	0.0430		0.3463	0.3463		0.3221	0.3221	0.0000	4,163.141 3	4,163.141 3	1.3464		4,196.802 4
Total	1.0034	7.5696	22.8328	0.0430		0.3463	0.3463		0.3221	0.3221	0.0000	4,163.141 3	4,163.141 3	1.3464		4,196.802 4

Scripps Mercy MOB II - San Diego Air Basin, Summer

3.4 Excavation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5323	17.2774	6.2727	0.0781	1.8666	0.0320	1.8986	0.5116	0.0306	0.5422		8,613.825 2	8,613.825 2	0.7561		8,632.726 7
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0464	0.0281	0.3437	1.1400e-003	0.1232	8.2000e-004	0.1240	0.0327	7.5000e-004	0.0334		113.1851	113.1851	2.9300e-003		113.2582
Total	0.5788	17.3055	6.6163	0.0792	1.9899	0.0328	2.0226	0.5442	0.0313	0.5756		8,727.010 3	8,727.010 3	0.7590		8,745.984 9

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.2939	40.9058	46.6963	0.0978		1.8619	1.8619		1.7877	1.7877		9,160.565 8	9,160.565 8	1.9213		9,208.598 5
Total	5.2939	40.9058	46.6963	0.0978		1.8619	1.8619		1.7877	1.7877		9,160.565 8	9,160.565 8	1.9213		9,208.598 5

Scripps Mercy MOB II - San Diego Air Basin, Summer

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0716	2.5000	0.7429	8.6000e-003	0.2234	2.9500e-003	0.2263	0.0643	2.8200e-003	0.0671		928.3462	928.3462	0.0610		929.8704
Worker	0.1982	0.1198	1.4663	4.8400e-003	0.5257	3.4800e-003	0.5292	0.1395	3.2100e-003	0.1427		482.9229	482.9229	0.0125		483.2350
Total	0.2697	2.6198	2.2092	0.0134	0.7491	6.4300e-003	0.7556	0.2038	6.0300e-003	0.2098		1,411.2692	1,411.2692	0.0735		1,413.1054

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2904	30.9516	54.3342	0.0978		1.4780	1.4780		1.4395	1.4395	0.0000	9,160.5658	9,160.5658	1.9213		9,208.5985
Total	4.2904	30.9516	54.3342	0.0978		1.4780	1.4780		1.4395	1.4395	0.0000	9,160.5658	9,160.5658	1.9213		9,208.5985

Scripps Mercy MOB II - San Diego Air Basin, Summer

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0716	2.5000	0.7429	8.6000e-003	0.2234	2.9500e-003	0.2263	0.0643	2.8200e-003	0.0671		928.3462	928.3462	0.0610		929.8704
Worker	0.1982	0.1198	1.4663	4.8400e-003	0.5257	3.4800e-003	0.5292	0.1395	3.2100e-003	0.1427		482.9229	482.9229	0.0125		483.2350
Total	0.2697	2.6198	2.2092	0.0134	0.7491	6.4300e-003	0.7556	0.2038	6.0300e-003	0.2098		1,411.2692	1,411.2692	0.0735		1,413.1054

3.5 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	5.0229	38.4413	46.4679	0.0979		1.6462	1.6462		1.5797	1.5797		9,163.1134	9,163.1134	1.9093		9,210.8468
Total	5.0229	38.4413	46.4679	0.0979		1.6462	1.6462		1.5797	1.5797		9,163.1134	9,163.1134	1.9093		9,210.8468

Scripps Mercy MOB II - San Diego Air Basin, Summer

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0690	2.4652	0.7198	8.5300e-003	0.2234	2.8700e-003	0.2263	0.0643	2.7500e-003	0.0671		922.3752	922.3752	0.0603		923.8819
Worker	0.1882	0.1099	1.3709	4.6500e-003	0.5257	3.4200e-003	0.5292	0.1395	3.1500e-003	0.1426		463.8958	463.8958	0.0115		464.1827
Total	0.2572	2.5751	2.0907	0.0132	0.7491	6.2900e-003	0.7554	0.2038	5.9000e-003	0.2097		1,386.2710	1,386.2710	0.0718		1,388.0645

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.0537	29.3434	54.2304	0.0979		1.2950	1.2950		1.2617	1.2617	0.0000	9,163.1134	9,163.1134	1.9093		9,210.8468
Total	4.0537	29.3434	54.2304	0.0979		1.2950	1.2950		1.2617	1.2617	0.0000	9,163.1134	9,163.1134	1.9093		9,210.8468

Scripps Mercy MOB II - San Diego Air Basin, Summer

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0690	2.4652	0.7198	8.5300e-003	0.2234	2.8700e-003	0.2263	0.0643	2.7500e-003	0.0671		922.3752	922.3752	0.0603		923.8819
Worker	0.1882	0.1099	1.3709	4.6500e-003	0.5257	3.4200e-003	0.5292	0.1395	3.1500e-003	0.1426		463.8958	463.8958	0.0115		464.1827
Total	0.2572	2.5751	2.0907	0.0132	0.7491	6.2900e-003	0.7554	0.2038	5.9000e-003	0.2097		1,386.2710	1,386.2710	0.0718		1,388.0645

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039

Scripps Mercy MOB II - San Diego Air Basin, Summer

3.6 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0588	0.0343	0.4284	1.4500e-003	0.1643	1.0700e-003	0.1654	0.0436	9.8000e-004	0.0446		144.9674	144.9674	3.5900e-003		145.0571
Total	0.0588	0.0343	0.4284	1.4500e-003	0.1643	1.0700e-003	0.1654	0.0436	9.8000e-004	0.0446		144.9674	144.9674	3.5900e-003		145.0571

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039

Scripps Mercy MOB II - San Diego Air Basin, Summer

3.6 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0588	0.0343	0.4284	1.4500e-003	0.1643	1.0700e-003	0.1654	0.0436	9.8000e-004	0.0446		144.9674	144.9674	3.5900e-003		145.0571
Total	0.0588	0.0343	0.4284	1.4500e-003	0.1643	1.0700e-003	0.1654	0.0436	9.8000e-004	0.0446		144.9674	144.9674	3.5900e-003		145.0571

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	20.8266					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	21.0074	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Scripps Mercy MOB II - San Diego Air Basin, Summer

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0382	0.0223	0.2785	9.5000e-004	0.1068	6.9000e-004	0.1075	0.0283	6.4000e-004	0.0290		94.2288	94.2288	2.3300e-003		94.2871
Total	0.0382	0.0223	0.2785	9.5000e-004	0.1068	6.9000e-004	0.1075	0.0283	6.4000e-004	0.0290		94.2288	94.2288	2.3300e-003		94.2871

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	20.8266					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	21.0074	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Scripps Mercy MOB II - San Diego Air Basin, Summer

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0382	0.0223	0.2785	9.5000e-004	0.1068	6.9000e-004	0.1075	0.0283	6.4000e-004	0.0290		94.2288	94.2288	2.3300e-003		94.2871
Total	0.0382	0.0223	0.2785	9.5000e-004	0.1068	6.9000e-004	0.1075	0.0283	6.4000e-004	0.0290		94.2288	94.2288	2.3300e-003		94.2871

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Destination Accessibility

Implement Trip Reduction Program

Encourage Telecommuting and Alternative Work Schedules

Market Commute Trip Reduction Option

Employee Vanpool/Shuttle

Scripps Mercy MOB II - San Diego Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.0237	35.8541	82.4962	0.3133	32.6248	0.2048	32.8296	8.7159	0.1901	8.9060		32,145.8304	32,145.8304	1.6061		32,185.9827
Unmitigated	9.7463	38.8414	98.5620	0.3890	41.4793	0.2488	41.7281	11.0814	0.2311	11.3125		39,881.2266	39,881.2266	1.9309		39,929.4981

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Medical Office Building	10,000.00	1,792.00	310.00	14,568,090	11,458,259
Total	10,000.00	1,792.00	310.00	14,568,090	11,458,259

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
Medical Office Building	9.50	7.30	7.30	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
Medical Office Building	0.616428	0.037185	0.177402	0.097684	0.012090	0.005279	0.017663	0.025476	0.001931	0.001677	0.005617	0.000785	0.000782

5.0 Energy Detail

Historical Energy Use: N

Scripps Mercy MOB II - San Diego Air Basin, Summer

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1004	0.9128	0.7668	5.4800e-003		0.0694	0.0694		0.0694	0.0694		1,095.3747	1,095.3747	0.0210	0.0201	1,101.8840
NaturalGas Unmitigated	0.1193	1.0846	0.9111	6.5100e-003		0.0824	0.0824		0.0824	0.0824		1,301.5310	1,301.5310	0.0250	0.0239	1,309.2654

Scripps Mercy MOB II - San Diego Air Basin, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Medical Office Building	11063	0.1193	1.0846	0.9111	6.5100e-003		0.0824	0.0824		0.0824	0.0824		1,301.5310	1,301.5310	0.0250	0.0239	1,309.2654
Total		0.1193	1.0846	0.9111	6.5100e-003		0.0824	0.0824		0.0824	0.0824		1,301.5310	1,301.5310	0.0250	0.0239	1,309.2654

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					
Medical Office Building	9.31068	0.1004	0.9128	0.7668	5.4800e-003		0.0694	0.0694		0.0694	0.0694		1,095.3747	1,095.3747	0.0210	0.0201	1,101.8840
Total		0.1004	0.9128	0.7668	5.4800e-003		0.0694	0.0694		0.0694	0.0694		1,095.3747	1,095.3747	0.0210	0.0201	1,101.8840

6.0 Area Detail

6.1 Mitigation Measures Area

Scripps Mercy MOB II - San Diego Air Basin, Summer

- Use Electric Lawnmower
- Use Electric Leafblower
- Use Electric Chainsaw
- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.3898	1.8000e-004	0.0201	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0432	0.0432	1.1000e-004		0.0459
Unmitigated	4.7098	1.8000e-004	0.0203	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0438	0.0438	1.1000e-004		0.0466

Scripps Mercy MOB II - San Diego Air Basin, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4279					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.2800					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8600e-003	1.8000e-004	0.0203	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0438	0.0438	1.1000e-004		0.0466
Total	4.7098	1.8000e-004	0.0203	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0438	0.0438	1.1000e-004		0.0466

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	0.4279					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9600					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8300e-003	1.8000e-004	0.0201	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0432	0.0432	1.1000e-004		0.0459
Total	4.3898	1.8000e-004	0.0201	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0432	0.0432	1.1000e-004		0.0459

7.0 Water Detail

Scripps Mercy MOB II - San Diego Air Basin, Summer

7.1 Mitigation Measures Water**8.0 Waste Detail****8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Scripps Mercy MOB II - San Diego Air Basin, Winter

Scripps Mercy MOB II
San Diego Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	200.00	1000sqft	4.59	200,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2030
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Scripps Mercy MOB II - San Diego Air Basin, Winter

Project Characteristics -

Land Use -

Construction Phase - Phases adjusted for activity to begin April 2023 and end in Dec 2024.

Off-road Equipment - Architectural coating equipment as default.

Off-road Equipment - Building construction equipment based on MOB equipment list and adjusted for MOB II.

Off-road Equipment - Equipment based on equipment list for MOB and adjusted for MOB II.

Off-road Equipment - Equipment based on equipment list for MOB and adjusted for MOB II.

Off-road Equipment - Paving equipment as default.

Off-road Equipment - Equipment based on equipment list for MOB and adjusted for MOB II.

Trips and VMT - Haul trips for soil export split between grading and excavation phases, based on number of day in sub-phase.

Grading - Material export is conservatively assumed to be 87.5% of overall project material export (cy). Total acres graded same as building area.

Architectural Coating - SDAPCD Rule 60.0.1. Architectural Coatings: 50 g/L VOC will be applied for interior and exterior paint. Traffic markings paints are listed as 100 g/L VOC.

Vehicle Trips - Driveway trip rate from TIA, Dec 2020 shown as 50/ksf (applied for week days). Weekend trips remain as default.

Area Coating - SDAPCD Rule 67.0.1 Architectural Coatings for reapplication: 50 g/L interior and exterior, with 100 g/L for parking lot paints

Construction Off-road Equipment Mitigation - Tier 4 engines will be implemented for clean fleet construction equipment, over 200 hp.

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Area Mitigation - Use of low VOC cleaning supplies and 3% electric landscaping.

Energy Mitigation - 20% improvement for health care facilities assumed for the new 2022 Building Standards for health care facilities. 20% lighting energy reduction for non-residential per 2022 Stds.

Waste Mitigation - 25% reduction in waste for health care facility

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	0.00	137,000.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	100.00

Scripps Mercy MOB II - San Diego Air Basin, Winter

tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	100
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaCoating	Area_Parking	0	137000
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
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	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	5.00	15.00
tblConstructionPhase	NumDays	8.00	45.00
tblConstructionPhase	NumDays	230.00	215.00
tblConstructionPhase	NumDays	18.00	30.00
tblConstructionPhase	NumDays	18.00	75.00
tblConstructionPhase	PhaseEndDate	4/7/2023	4/21/2023
tblConstructionPhase	PhaseEndDate	4/19/2023	6/23/2023
tblConstructionPhase	PhaseEndDate	4/19/2023	10/6/2023

Scripps Mercy MOB II - San Diego Air Basin, Winter

tblConstructionPhase	PhaseEndDate	3/6/2024	8/2/2024
tblConstructionPhase	PhaseEndDate	4/1/2024	9/13/2024
tblConstructionPhase	PhaseEndDate	4/25/2024	12/27/2024
tblConstructionPhase	PhaseStartDate	4/8/2023	4/22/2023
tblConstructionPhase	PhaseStartDate	4/20/2023	6/24/2023
tblConstructionPhase	PhaseStartDate	4/20/2023	10/7/2023
tblConstructionPhase	PhaseStartDate	3/7/2024	8/3/2024
tblConstructionPhase	PhaseStartDate	4/2/2024	9/14/2024
tblGrading	AcresOfGrading	67.50	4.59
tblGrading	MaterialExported	0.00	102,550.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblTripsAndVMT	HaulingTripNumber	12,819.00	4,807.00
tblTripsAndVMT	HaulingTripNumber	0.00	8,012.00
tblVehicleTrips	WD_TR	36.13	50.00

2.0 Emissions Summary

Scripps Mercy MOB II - San Diego Air Basin, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.7098	1.8000e-004	0.0203	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0438	0.0438	1.1000e-004		0.0466
Energy	0.1193	1.0846	0.9111	6.5100e-003		0.0824	0.0824		0.0824	0.0824		1,301.5310	1,301.5310	0.0250	0.0239	1,309.2654
Mobile	9.3859	39.3764	98.3720	0.3692	41.4793	0.2498	41.7292	11.0814	0.2320	11.3135		37,861.4339	37,861.4339	1.9575		37,910.3717
Total	14.2150	40.4612	99.3034	0.3757	41.4793	0.3323	41.8117	11.0814	0.3145	11.3960		39,163.0087	39,163.0087	1.9826	0.0239	39,219.6837

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	4.3898	1.8000e-004	0.0201	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0432	0.0432	1.1000e-004		0.0459
Energy	0.1004	0.9128	0.7668	5.4800e-003		0.0694	0.0694		0.0694	0.0694		1,095.3747	1,095.3747	0.0210	0.0201	1,101.8840
Mobile	8.6743	36.1906	83.6613	0.2971	32.6248	0.2058	32.8306	8.7159	0.1911	8.9070		30,484.3163	30,484.3163	1.6398		30,525.3120
Total	13.1645	37.1036	84.4481	0.3026	32.6248	0.2753	32.9001	8.7159	0.2606	8.9764		31,579.7341	31,579.7341	1.6609	0.0201	31,627.2419

Scripps Mercy MOB II - San Diego Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	7.39	8.30	14.96	19.47	21.35	17.17	21.31	21.35	17.16	21.23	0.00	19.36	19.36	16.22	15.84	19.36

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	4/3/2023	4/21/2023	5	15	
2	Grading	Grading	4/22/2023	6/23/2023	5	45	
3	Excavation	Trenching	6/24/2023	10/6/2023	5	75	
4	Building Construction	Building Construction	10/7/2023	8/2/2024	5	215	
5	Paving	Paving	8/3/2024	9/13/2024	5	30	
6	Architectural Coating	Architectural Coating	9/14/2024	12/27/2024	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4.59

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 300,000; Non-Residential Outdoor: 100,000; Striped Parking Area: 137,000 (Architectural Coating – sqft)

OffRoad Equipment

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

Scripps Mercy MOB II - San Diego Air Basin, Winter

Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Excavation	Excavators	2	8.00	158	0.38
Excavation	Off-Highway Trucks	2	8.00	402	0.38
Excavation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Bore/Drill Rigs	1	6.00	221	0.50
Building Construction	Cement and Mortar Mixers	4	8.00	9	0.56
Building Construction	Concrete/Industrial Saws	3	6.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Off-Highway Trucks	2	8.00	402	0.38
Building Construction	Other General Industrial Equipment	4	8.00	88	0.34
Building Construction	Plate Compactors	1	8.00	8	0.43
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Welders	4	8.00	46	0.45
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

Scripps Mercy MOB II - San Diego Air Basin, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	4,807.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Excavation	6	15.00	0.00	8,012.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	25	64.00	33.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	10.80	7.30	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 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.0442	0.0000	12.0442	6.6205	0.0000	6.6205			0.0000			0.0000
Off-Road	1.6721	17.3257	10.6753	0.0233		0.7935	0.7935		0.7300	0.7300		2,257.154 4	2,257.154 4	0.7300		2,275.404 6
Total	1.6721	17.3257	10.6753	0.0233	12.0442	0.7935	12.8376	6.6205	0.7300	7.3504		2,257.154 4	2,257.154 4	0.7300		2,275.404 6

Scripps Mercy MOB II - San Diego Air Basin, Winter

3.2 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0353	0.0210	0.2144	7.1000e-004	0.0822	5.4000e-004	0.0827	0.0218	5.0000e-004	0.0223		70.8396	70.8396	1.8400e-003		70.8856
Total	0.0353	0.0210	0.2144	7.1000e-004	0.0822	5.4000e-004	0.0827	0.0218	5.0000e-004	0.0223		70.8396	70.8396	1.8400e-003		70.8856

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					4.6972	0.0000	4.6972	2.5820	0.0000	2.5820			0.0000			0.0000
Off-Road	0.5118	3.9775	12.1298	0.0233		0.1795	0.1795		0.1674	0.1674	0.0000	2,257.1544	2,257.1544	0.7300		2,275.4046
Total	0.5118	3.9775	12.1298	0.0233	4.6972	0.1795	4.8767	2.5820	0.1674	2.7494	0.0000	2,257.1544	2,257.1544	0.7300		2,275.4046

Scripps Mercy MOB II - San Diego Air Basin, Winter

3.2 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0353	0.0210	0.2144	7.1000e-004	0.0822	5.4000e-004	0.0827	0.0218	5.0000e-004	0.0223		70.8396	70.8396	1.8400e-003		70.8856
Total	0.0353	0.0210	0.2144	7.1000e-004	0.0822	5.4000e-004	0.0827	0.0218	5.0000e-004	0.0223		70.8396	70.8396	1.8400e-003		70.8856

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.4505	0.0000	6.4505	3.3704	0.0000	3.3704			0.0000			0.0000
Off-Road	2.1949	23.1479	16.4251	0.0386		0.9481	0.9481		0.8722	0.8722		3,739.6668	3,739.6668	1.2095		3,769.9039
Total	2.1949	23.1479	16.4251	0.0386	6.4505	0.9481	7.3986	3.3704	0.8722	4.2426		3,739.6668	3,739.6668	1.2095		3,769.9039

Scripps Mercy MOB II - San Diego Air Basin, Winter

3.3 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5472	17.3412	6.5607	0.0767	1.8666	0.0330	1.8996	0.5115	0.0316	0.5431		8,463.3996	8,463.3996	0.7763		8,482.8066
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0459	0.0273	0.2788	9.2000e-004	0.1068	7.1000e-004	0.1075	0.0283	6.5000e-004	0.0290		92.0915	92.0915	2.3900e-003		92.1512
Total	0.5931	17.3685	6.8395	0.0776	1.9733	0.0337	2.0071	0.5399	0.0322	0.5721		8,555.4911	8,555.4911	0.7787		8,574.9579

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.5157	0.0000	2.5157	1.3145	0.0000	1.3145			0.0000			0.0000
Off-Road	1.0145	8.9982	17.8505	0.0386		0.3412	0.3412		0.3170	0.3170	0.0000	3,739.6668	3,739.6668	1.2095		3,769.9039
Total	1.0145	8.9982	17.8505	0.0386	2.5157	0.3412	2.8569	1.3145	0.3170	1.6314	0.0000	3,739.6668	3,739.6668	1.2095		3,769.9039

Scripps Mercy MOB II - San Diego Air Basin, Winter

3.3 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5472	17.3412	6.5607	0.0767	1.8666	0.0330	1.8996	0.5115	0.0316	0.5431		8,463.3996	8,463.3996	0.7763		8,482.8066
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0459	0.0273	0.2788	9.2000e-004	0.1068	7.1000e-004	0.1075	0.0283	6.5000e-004	0.0290		92.0915	92.0915	2.3900e-003		92.1512
Total	0.5931	17.3685	6.8395	0.0776	1.9733	0.0337	2.0071	0.5399	0.0322	0.5721		8,555.4911	8,555.4911	0.7787		8,574.9579

3.4 Excavation - 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	1.6878	13.3044	17.5552	0.0430		0.5613	0.5613		0.5164	0.5164		4,163.1413	4,163.1413	1.3464		4,196.8024
Total	1.6878	13.3044	17.5552	0.0430		0.5613	0.5613		0.5164	0.5164		4,163.1413	4,163.1413	1.3464		4,196.8024

Scripps Mercy MOB II - San Diego Air Basin, Winter

3.4 Excavation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5472	17.3419	6.5610	0.0767	1.8666	0.0330	1.8997	0.5116	0.0316	0.5432		8,463.7517	8,463.7517	0.7763		8,483.1596
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0529	0.0315	0.3217	1.0700e-003	0.1232	8.2000e-004	0.1240	0.0327	7.5000e-004	0.0334		106.2594	106.2594	2.7600e-003		106.3284
Total	0.6002	17.3734	6.8827	0.0778	1.9899	0.0338	2.0237	0.5442	0.0323	0.5766		8,570.0112	8,570.0112	0.7791		8,589.4879

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0034	7.5696	22.8328	0.0430		0.3463	0.3463		0.3221	0.3221	0.0000	4,163.1413	4,163.1413	1.3464		4,196.8024
Total	1.0034	7.5696	22.8328	0.0430		0.3463	0.3463		0.3221	0.3221	0.0000	4,163.1413	4,163.1413	1.3464		4,196.8024

Scripps Mercy MOB II - San Diego Air Basin, Winter

3.4 Excavation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5472	17.3419	6.5610	0.0767	1.8666	0.0330	1.8997	0.5116	0.0316	0.5432		8,463.7517	8,463.7517	0.7763		8,483.1596
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0529	0.0315	0.3217	1.0700e-003	0.1232	8.2000e-004	0.1240	0.0327	7.5000e-004	0.0334		106.2594	106.2594	2.7600e-003		106.3284
Total	0.6002	17.3734	6.8827	0.0778	1.9899	0.0338	2.0237	0.5442	0.0323	0.5766		8,570.0112	8,570.0112	0.7791		8,589.4879

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.2939	40.9058	46.6963	0.0978		1.8619	1.8619		1.7877	1.7877		9,160.5658	9,160.5658	1.9213		9,208.5985
Total	5.2939	40.9058	46.6963	0.0978		1.8619	1.8619		1.7877	1.7877		9,160.5658	9,160.5658	1.9213		9,208.5985

Scripps Mercy MOB II - San Diego Air Basin, Winter

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0755	2.4889	0.8155	8.3800e-003	0.2234	3.1100e-003	0.2265	0.0643	2.9700e-003	0.0673		904.4288	904.4288	0.0643		906.0361
Worker	0.2259	0.1344	1.3724	4.5500e-003	0.5257	3.4800e-003	0.5292	0.1395	3.2100e-003	0.1427		453.3736	453.3736	0.0118		453.6677
Total	0.3014	2.6233	2.1879	0.0129	0.7491	6.5900e-003	0.7557	0.2038	6.1800e-003	0.2099		1,357.8024	1,357.8024	0.0761		1,359.7038

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2904	30.9516	54.3342	0.0978		1.4780	1.4780		1.4395	1.4395	0.0000	9,160.5658	9,160.5658	1.9213		9,208.5985
Total	4.2904	30.9516	54.3342	0.0978		1.4780	1.4780		1.4395	1.4395	0.0000	9,160.5658	9,160.5658	1.9213		9,208.5985

Scripps Mercy MOB II - San Diego Air Basin, Winter

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0755	2.4889	0.8155	8.3800e-003	0.2234	3.1100e-003	0.2265	0.0643	2.9700e-003	0.0673		904.4288	904.4288	0.0643		906.0361
Worker	0.2259	0.1344	1.3724	4.5500e-003	0.5257	3.4800e-003	0.5292	0.1395	3.2100e-003	0.1427		453.3736	453.3736	0.0118		453.6677
Total	0.3014	2.6233	2.1879	0.0129	0.7491	6.5900e-003	0.7557	0.2038	6.1800e-003	0.2099		1,357.8024	1,357.8024	0.0761		1,359.7038

3.5 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	5.0229	38.4413	46.4679	0.0979		1.6462	1.6462		1.5797	1.5797		9,163.1134	9,163.1134	1.9093		9,210.8468
Total	5.0229	38.4413	46.4679	0.0979		1.6462	1.6462		1.5797	1.5797		9,163.1134	9,163.1134	1.9093		9,210.8468

Scripps Mercy MOB II - San Diego Air Basin, Winter

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0728	2.4542	0.7896	8.3100e-003	0.2234	3.0200e-003	0.2264	0.0643	2.8900e-003	0.0672		898.7777	898.7777	0.0635		900.3641
Worker	0.2152	0.1232	1.2812	4.3700e-003	0.5257	3.4200e-003	0.5292	0.1395	3.1500e-003	0.1426		435.5276	435.5276	0.0108		435.7977
Total	0.2880	2.5774	2.0707	0.0127	0.7491	6.4400e-003	0.7556	0.2038	6.0400e-003	0.2098		1,334.3053	1,334.3053	0.0743		1,336.1617

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.0537	29.3434	54.2304	0.0979		1.2950	1.2950		1.2617	1.2617	0.0000	9,163.1134	9,163.1134	1.9093		9,210.8468
Total	4.0537	29.3434	54.2304	0.0979		1.2950	1.2950		1.2617	1.2617	0.0000	9,163.1134	9,163.1134	1.9093		9,210.8468

Scripps Mercy MOB II - San Diego Air Basin, Winter

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0728	2.4542	0.7896	8.3100e-003	0.2234	3.0200e-003	0.2264	0.0643	2.8900e-003	0.0672		898.7777	898.7777	0.0635		900.3641
Worker	0.2152	0.1232	1.2812	4.3700e-003	0.5257	3.4200e-003	0.5292	0.1395	3.1500e-003	0.1426		435.5276	435.5276	0.0108		435.7977
Total	0.2880	2.5774	2.0707	0.0127	0.7491	6.4400e-003	0.7556	0.2038	6.0400e-003	0.2098		1,334.3053	1,334.3053	0.0743		1,336.1617

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039

Scripps Mercy MOB II - San Diego Air Basin, Winter

3.6 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0673	0.0385	0.4004	1.3600e-003	0.1643	1.0700e-003	0.1654	0.0436	9.8000e-004	0.0446		136.1024	136.1024	3.3800e-003		136.1868
Total	0.0673	0.0385	0.4004	1.3600e-003	0.1643	1.0700e-003	0.1654	0.0436	9.8000e-004	0.0446		136.1024	136.1024	3.3800e-003		136.1868

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039

Scripps Mercy MOB II - San Diego Air Basin, Winter

3.6 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0673	0.0385	0.4004	1.3600e-003	0.1643	1.0700e-003	0.1654	0.0436	9.8000e-004	0.0446		136.1024	136.1024	3.3800e-003		136.1868
Total	0.0673	0.0385	0.4004	1.3600e-003	0.1643	1.0700e-003	0.1654	0.0436	9.8000e-004	0.0446		136.1024	136.1024	3.3800e-003		136.1868

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	20.8266					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	21.0074	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Scripps Mercy MOB II - San Diego Air Basin, Winter

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0250	0.2602	8.9000e-004	0.1068	6.9000e-004	0.1075	0.0283	6.4000e-004	0.0290		88.4666	88.4666	2.1900e-003		88.5214
Total	0.0437	0.0250	0.2602	8.9000e-004	0.1068	6.9000e-004	0.1075	0.0283	6.4000e-004	0.0290		88.4666	88.4666	2.1900e-003		88.5214

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	20.8266					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	21.0074	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Scripps Mercy MOB II - San Diego Air Basin, Winter

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0250	0.2602	8.9000e-004	0.1068	6.9000e-004	0.1075	0.0283	6.4000e-004	0.0290		88.4666	88.4666	2.1900e-003		88.5214
Total	0.0437	0.0250	0.2602	8.9000e-004	0.1068	6.9000e-004	0.1075	0.0283	6.4000e-004	0.0290		88.4666	88.4666	2.1900e-003		88.5214

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

- Improve Destination Accessibility
- Implement Trip Reduction Program
- Encourage Telecommuting and Alternative Work Schedules
- Market Commute Trip Reduction Option
- Employee Vanpool/Shuttle

Scripps Mercy MOB II - San Diego Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.6743	36.1906	83.6613	0.2971	32.6248	0.2058	32.8306	8.7159	0.1911	8.9070		30,484.3163	30,484.3163	1.6398		30,525.3120
Unmitigated	9.3859	39.3764	98.3720	0.3692	41.4793	0.2498	41.7292	11.0814	0.2320	11.3135		37,861.4339	37,861.4339	1.9575		37,910.3717

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Medical Office Building	10,000.00	1,792.00	310.00	14,568,090	11,458,259
Total	10,000.00	1,792.00	310.00	14,568,090	11,458,259

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
Medical Office Building	9.50	7.30	7.30	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
Medical Office Building	0.616428	0.037185	0.177402	0.097684	0.012090	0.005279	0.017663	0.025476	0.001931	0.001677	0.005617	0.000785	0.000782

5.0 Energy Detail

Historical Energy Use: N

Scripps Mercy MOB II - San Diego Air Basin, Winter

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1004	0.9128	0.7668	5.4800e-003		0.0694	0.0694		0.0694	0.0694		1,095.3747	1,095.3747	0.0210	0.0201	1,101.8840
NaturalGas Unmitigated	0.1193	1.0846	0.9111	6.5100e-003		0.0824	0.0824		0.0824	0.0824		1,301.5310	1,301.5310	0.0250	0.0239	1,309.2654

Scripps Mercy MOB II - San Diego Air Basin, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Medical Office Building	11063	0.1193	1.0846	0.9111	6.5100e-003		0.0824	0.0824		0.0824	0.0824		1,301.5310	1,301.5310	0.0250	0.0239	1,309.2654
Total		0.1193	1.0846	0.9111	6.5100e-003		0.0824	0.0824		0.0824	0.0824		1,301.5310	1,301.5310	0.0250	0.0239	1,309.2654

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					
Medical Office Building	9.31068	0.1004	0.9128	0.7668	5.4800e-003		0.0694	0.0694		0.0694	0.0694		1,095.3747	1,095.3747	0.0210	0.0201	1,101.8840
Total		0.1004	0.9128	0.7668	5.4800e-003		0.0694	0.0694		0.0694	0.0694		1,095.3747	1,095.3747	0.0210	0.0201	1,101.8840

6.0 Area Detail

6.1 Mitigation Measures Area

Scripps Mercy MOB II - San Diego Air Basin, Winter

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.3898	1.8000e-004	0.0201	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0432	0.0432	1.1000e-004		0.0459
Unmitigated	4.7098	1.8000e-004	0.0203	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0438	0.0438	1.1000e-004		0.0466

Scripps Mercy MOB II - San Diego Air Basin, Winter

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4279					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.2800					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8600e-003	1.8000e-004	0.0203	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0438	0.0438	1.1000e-004		0.0466
Total	4.7098	1.8000e-004	0.0203	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0438	0.0438	1.1000e-004		0.0466

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	0.4279					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9600					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8300e-003	1.8000e-004	0.0201	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0432	0.0432	1.1000e-004		0.0459
Total	4.3898	1.8000e-004	0.0201	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0432	0.0432	1.1000e-004		0.0459

7.0 Water Detail

Scripps Mercy MOB II - San Diego Air Basin, Winter

7.1 Mitigation Measures Water**8.0 Waste Detail**

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Annual

Scripps Mercy Existing Hospital Operations
San Diego Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	467.00	Bed	2.67	507,580.00	0
Hospital	50.00	Bed	0.62	64,341.00	0
Medical Office Building	73.45	1000sqft	0.57	73,448.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2030
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Annual

Project Characteristics -

Land Use - Lot acreage estimated using GoogleEarth. Existing Hospital, 550 Washington St. MOB, and Behavioral Health Clinic.

Construction Phase -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Grading -

Architectural Coating -

Vehicle Trips - Net trip rate from TIA, Dec 2020 (updated June 2021) 3320 trips for Hospital/BHC; 3673 trips for 550 Washington MOB (applied for weekdays). Weekend trips remain as default.

Area Coating -

Energy Use -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Area Mitigation -

Energy Mitigation -

Waste Mitigation -

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Annual

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	334,258.79	507,580.00
tblLandUse	LandUseSquareFeet	35,787.88	64,341.00
tblLandUse	LandUseSquareFeet	73,450.00	73,448.00
tblLandUse	LotAcreage	7.67	2.67
tblLandUse	LotAcreage	0.82	0.62
tblLandUse	LotAcreage	1.69	0.57
tblVehicleTrips	WD_TR	12.94	6.42
tblVehicleTrips	WD_TR	36.13	50.01

2.0 Emissions Summary

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	8-2-2021	11-1-2021	1.0445	1.0445
2	11-2-2021	2-1-2022	1.0128	1.0128
3	2-2-2022	5-1-2022	0.9219	0.9219
4	5-2-2022	8-1-2022	0.7802	0.7802
5	8-2-2022	9-30-2022	7.1378	7.1378
		Highest	7.1378	7.1378

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.2688	5.0000e-005	5.4000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0106	0.0106	3.0000e-005	0.0000	0.0112
Energy	0.1868	1.6979	1.4262	0.0102		0.1290	0.1290		0.1290	0.1290	0.0000	5,303.5694	5,303.5694	0.1745	0.0627	5,326.6047
Mobile	1.0988	4.7625	12.2714	0.0486	5.3384	0.0320	5.3704	1.4290	0.0298	1.4587	0.0000	4,517.7804	4,517.7804	0.2236	0.0000	4,523.3704
Waste						0.0000	0.0000		0.0000	0.0000	467.4679	0.0000	467.4679	27.6266	0.0000	1,158.1319
Water						0.0000	0.0000		0.0000	0.0000	17.6552	275.2997	292.9549	1.8244	0.0451	352.0088
Total	4.5543	6.4605	13.7030	0.0588	5.3384	0.1611	5.4995	1.4290	0.1588	1.5878	485.1231	10,096.6600	10,581.7831	29.8491	0.1078	11,360.1271

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.0804	5.0000e-005	5.4000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0106	0.0106	3.0000e-005	0.0000	0.0112
Energy	0.1868	1.6979	1.4262	0.0102		0.1290	0.1290		0.1290	0.1290	0.0000	5,303.5694	5,303.5694	0.1745	0.0627	5,326.6047
Mobile	1.0988	4.7625	12.2714	0.0486	5.3384	0.0320	5.3704	1.4290	0.0298	1.4587	0.0000	4,517.7804	4,517.7804	0.2236	0.0000	4,523.3704
Waste						0.0000	0.0000		0.0000	0.0000	467.4679	0.0000	467.4679	27.6266	0.0000	1,158.1319
Water						0.0000	0.0000		0.0000	0.0000	17.6552	275.2997	292.9549	1.8244	0.0451	352.0088
Total	4.3659	6.4605	13.7030	0.0588	5.3384	0.1611	5.4995	1.4290	0.1588	1.5878	485.1231	10,096.6600	10,581.7831	29.8491	0.1078	11,360.1271

	ROG	NOx	CO	SO2	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	4.14	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

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	8/2/2021	8/6/2021	5	5	
2	Grading	Grading	8/7/2021	8/18/2021	5	8	
3	Building Construction	Building Construction	8/19/2021	7/6/2022	5	230	
4	Paving	Paving	7/7/2022	8/1/2022	5	18	
5	Architectural Coating	Architectural Coating	8/2/2022	8/25/2022	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 968,054; Non-Residential Outdoor: 322,685; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	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	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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	207.00	106.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	41.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.7200e-003	0.1012	0.0529	1.0000e-004		5.1100e-003	5.1100e-003		4.7000e-003	4.7000e-003	0.0000	8.3589	8.3589	2.7000e-003	0.0000	8.4265
Total	9.7200e-003	0.1012	0.0529	1.0000e-004	0.0452	5.1100e-003	0.0503	0.0248	4.7000e-003	0.0295	0.0000	8.3589	8.3589	2.7000e-003	0.0000	8.4265

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3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	1.1000e-004	1.1200e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3152	0.3152	1.0000e-005	0.0000	0.3155
Total	1.6000e-004	1.1000e-004	1.1200e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3152	0.3152	1.0000e-005	0.0000	0.3155

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.7200e-003	0.1012	0.0529	1.0000e-004		5.1100e-003	5.1100e-003		4.7000e-003	4.7000e-003	0.0000	8.3589	8.3589	2.7000e-003	0.0000	8.4265
Total	9.7200e-003	0.1012	0.0529	1.0000e-004	0.0452	5.1100e-003	0.0503	0.0248	4.7000e-003	0.0295	0.0000	8.3589	8.3589	2.7000e-003	0.0000	8.4265

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3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	1.1000e-004	1.1200e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3152	0.3152	1.0000e-005	0.0000	0.3155
Total	1.6000e-004	1.1000e-004	1.1200e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3152	0.3152	1.0000e-005	0.0000	0.3155

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.1600e-003	0.0990	0.0634	1.2000e-004		4.6400e-003	4.6400e-003		4.2700e-003	4.2700e-003	0.0000	10.4215	10.4215	3.3700e-003	0.0000	10.5057
Total	9.1600e-003	0.0990	0.0634	1.2000e-004	0.0262	4.6400e-003	0.0309	0.0135	4.2700e-003	0.0177	0.0000	10.4215	10.4215	3.3700e-003	0.0000	10.5057

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3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.5000e-004	1.5000e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4203	0.4203	1.0000e-005	0.0000	0.4206
Total	2.1000e-004	1.5000e-004	1.5000e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4203	0.4203	1.0000e-005	0.0000	0.4206

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.1600e-003	0.0990	0.0634	1.2000e-004		4.6400e-003	4.6400e-003		4.2700e-003	4.2700e-003	0.0000	10.4215	10.4215	3.3700e-003	0.0000	10.5057
Total	9.1600e-003	0.0990	0.0634	1.2000e-004	0.0262	4.6400e-003	0.0309	0.0135	4.2700e-003	0.0177	0.0000	10.4215	10.4215	3.3700e-003	0.0000	10.5057

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3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.5000e-004	1.5000e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4203	0.4203	1.0000e-005	0.0000	0.4206
Total	2.1000e-004	1.5000e-004	1.5000e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4203	0.4203	1.0000e-005	0.0000	0.4206

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0922	0.8455	0.8039	1.3100e-003		0.0465	0.0465		0.0437	0.0437	0.0000	112.3441	112.3441	0.0271	0.0000	113.0217
Total	0.0922	0.8455	0.8039	1.3100e-003		0.0465	0.0465		0.0437	0.0437	0.0000	112.3441	112.3441	0.0271	0.0000	113.0217

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3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0159	0.5283	0.1409	1.3800e-003	0.0341	1.1200e-003	0.0352	9.8500e-003	1.0700e-003	0.0109	0.0000	134.4063	134.4063	9.9800e-003	0.0000	134.6557
Worker	0.0349	0.0249	0.2508	7.8000e-004	0.0805	5.7000e-004	0.0811	0.0214	5.2000e-004	0.0219	0.0000	70.3290	70.3290	2.0200e-003	0.0000	70.3794
Total	0.0508	0.5532	0.3917	2.1600e-003	0.1146	1.6900e-003	0.1163	0.0312	1.5900e-003	0.0328	0.0000	204.7353	204.7353	0.0120	0.0000	205.0351

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0922	0.8455	0.8039	1.3100e-003		0.0465	0.0465		0.0437	0.0437	0.0000	112.3440	112.3440	0.0271	0.0000	113.0215
Total	0.0922	0.8455	0.8039	1.3100e-003		0.0465	0.0465		0.0437	0.0437	0.0000	112.3440	112.3440	0.0271	0.0000	113.0215

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3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0159	0.5283	0.1409	1.3800e-003	0.0341	1.1200e-003	0.0352	9.8500e-003	1.0700e-003	0.0109	0.0000	134.4063	134.4063	9.9800e-003	0.0000	134.6557
Worker	0.0349	0.0249	0.2508	7.8000e-004	0.0805	5.7000e-004	0.0811	0.0214	5.2000e-004	0.0219	0.0000	70.3290	70.3290	2.0200e-003	0.0000	70.3794
Total	0.0508	0.5532	0.3917	2.1600e-003	0.1146	1.6900e-003	0.1163	0.0312	1.5900e-003	0.0328	0.0000	204.7353	204.7353	0.0120	0.0000	205.0351

3.4 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	0.1135	1.0384	1.0882	1.7900e-003		0.0538	0.0538		0.0506	0.0506	0.0000	154.0973	154.0973	0.0369	0.0000	155.0202
Total	0.1135	1.0384	1.0882	1.7900e-003		0.0538	0.0538		0.0506	0.0506	0.0000	154.0973	154.0973	0.0369	0.0000	155.0202

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3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0203	0.6841	0.1829	1.8700e-003	0.0468	1.3200e-003	0.0481	0.0135	1.2600e-003	0.0148	0.0000	182.5439	182.5439	0.0133	0.0000	182.8751
Worker	0.0453	0.0311	0.3193	1.0300e-003	0.1104	7.6000e-004	0.1112	0.0293	7.0000e-004	0.0300	0.0000	92.8955	92.8955	2.5300e-003	0.0000	92.9588
Total	0.0656	0.7152	0.5022	2.9000e-003	0.1572	2.0800e-003	0.1593	0.0428	1.9600e-003	0.0448	0.0000	275.4394	275.4394	0.0158	0.0000	275.8339

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1135	1.0384	1.0882	1.7900e-003		0.0538	0.0538		0.0506	0.0506	0.0000	154.0971	154.0971	0.0369	0.0000	155.0200
Total	0.1135	1.0384	1.0882	1.7900e-003		0.0538	0.0538		0.0506	0.0506	0.0000	154.0971	154.0971	0.0369	0.0000	155.0200

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3.4 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0203	0.6841	0.1829	1.8700e-003	0.0468	1.3200e-003	0.0481	0.0135	1.2600e-003	0.0148	0.0000	182.5439	182.5439	0.0133	0.0000	182.8751
Worker	0.0453	0.0311	0.3193	1.0300e-003	0.1104	7.6000e-004	0.1112	0.0293	7.0000e-004	0.0300	0.0000	92.8955	92.8955	2.5300e-003	0.0000	92.9588
Total	0.0656	0.7152	0.5022	2.9000e-003	0.1572	2.0800e-003	0.1593	0.0428	1.9600e-003	0.0448	0.0000	275.4394	275.4394	0.0158	0.0000	275.8339

3.5 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	8.7900e-003	0.0857	0.1098	1.7000e-004		4.3900e-003	4.3900e-003		4.0500e-003	4.0500e-003	0.0000	14.7383	14.7383	4.6300e-003	0.0000	14.8540
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.7900e-003	0.0857	0.1098	1.7000e-004		4.3900e-003	4.3900e-003		4.0500e-003	4.0500e-003	0.0000	14.7383	14.7383	4.6300e-003	0.0000	14.8540

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3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9000e-004	4.1000e-004	4.1700e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2147	1.2147	3.0000e-005	0.0000	1.2155
Total	5.9000e-004	4.1000e-004	4.1700e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2147	1.2147	3.0000e-005	0.0000	1.2155

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.7900e-003	0.0857	0.1098	1.7000e-004		4.3900e-003	4.3900e-003		4.0500e-003	4.0500e-003	0.0000	14.7383	14.7383	4.6300e-003	0.0000	14.8540
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.7900e-003	0.0857	0.1098	1.7000e-004		4.3900e-003	4.3900e-003		4.0500e-003	4.0500e-003	0.0000	14.7383	14.7383	4.6300e-003	0.0000	14.8540

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3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9000e-004	4.1000e-004	4.1700e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2147	1.2147	3.0000e-005	0.0000	1.2155
Total	5.9000e-004	4.1000e-004	4.1700e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2147	1.2147	3.0000e-005	0.0000	1.2155

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.4782					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8400e-003	0.0127	0.0163	3.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	2.2979	2.2979	1.5000e-004	0.0000	2.3017
Total	7.4801	0.0127	0.0163	3.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	2.2979	2.2979	1.5000e-004	0.0000	2.3017

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3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2100e-003	8.3000e-004	8.5600e-003	3.0000e-005	2.9600e-003	2.0000e-005	2.9800e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.4902	2.4902	7.0000e-005	0.0000	2.4919
Total	1.2100e-003	8.3000e-004	8.5600e-003	3.0000e-005	2.9600e-003	2.0000e-005	2.9800e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.4902	2.4902	7.0000e-005	0.0000	2.4919

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.4782					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8400e-003	0.0127	0.0163	3.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	2.2979	2.2979	1.5000e-004	0.0000	2.3017
Total	7.4801	0.0127	0.0163	3.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	2.2979	2.2979	1.5000e-004	0.0000	2.3017

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3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2100e-003	8.3000e-004	8.5600e-003	3.0000e-005	2.9600e-003	2.0000e-005	2.9800e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.4902	2.4902	7.0000e-005	0.0000	2.4919
Total	1.2100e-003	8.3000e-004	8.5600e-003	3.0000e-005	2.9600e-003	2.0000e-005	2.9800e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.4902	2.4902	7.0000e-005	0.0000	2.4919

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0988	4.7625	12.2714	0.0486	5.3384	0.0320	5.3704	1.4290	0.0298	1.4587	0.0000	4,517.780 4	4,517.780 4	0.2236	0.0000	4,523.370 4
Unmitigated	1.0988	4.7625	12.2714	0.0486	5.3384	0.0320	5.3704	1.4290	0.0298	1.4587	0.0000	4,517.780 4	4,517.780 4	0.2236	0.0000	4,523.370 4

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hospital	2,998.14	3,801.38	3357.73	7,968,984	7,968,984
Hospital	321.00	407.00	359.50	853,210	853,210
Medical Office Building	3,673.23	658.11	113.85	5,351,158	5,351,158
Total	6,992.37	4,866.49	3,831.08	14,173,352	14,173,352

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
Hospital	9.50	7.30	7.30	64.90	16.10	19.00	73	25	2
Hospital	9.50	7.30	7.30	64.90	16.10	19.00	73	25	2
Medical Office Building	9.50	7.30	7.30	29.60	51.40	19.00	60	30	10

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.616428	0.037185	0.177402	0.097684	0.012090	0.005279	0.017663	0.025476	0.001931	0.001677	0.005617	0.000785	0.000782
Medical Office Building	0.616428	0.037185	0.177402	0.097684	0.012090	0.005279	0.017663	0.025476	0.001931	0.001677	0.005617	0.000785	0.000782

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	3,455.1978	3,455.1978	0.1391	0.0288	3,467.2492
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3,455.1978	3,455.1978	0.1391	0.0288	3,467.2492
NaturalGas Mitigated	0.1868	1.6979	1.4262	0.0102		0.1290	0.1290		0.1290	0.1290	0.0000	1,848.3716	1,848.3716	0.0354	0.0339	1,859.3555
NaturalGas Unmitigated	0.1868	1.6979	1.4262	0.0102		0.1290	0.1290		0.1290	0.1290	0.0000	1,848.3716	1,848.3716	0.0354	0.0339	1,859.3555

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hospital	3.72985e+006	0.0201	0.1828	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139	0.0000	199.0389	199.0389	3.8100e-003	3.6500e-003	200.2217
Hospital	2.94244e+007	0.1587	1.4424	1.2116	8.6500e-003		0.1096	0.1096		0.1096	0.1096	0.0000	1,570.1987	1,570.1987	0.0301	0.0288	1,579.5296
Medical Office Building	1.48292e+006	8.0000e-003	0.0727	0.0611	4.4000e-004		5.5200e-003	5.5200e-003		5.5200e-003	5.5200e-003	0.0000	79.1340	79.1340	1.5200e-003	1.4500e-003	79.6043
Total		0.1868	1.6979	1.4262	0.0102		0.1290	0.1290		0.1290	0.1290	0.0000	1,848.3716	1,848.3716	0.0354	0.0339	1,859.3555

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hospital	2.94244e+007	0.1587	1.4424	1.2116	8.6500e-003		0.1096	0.1096		0.1096	0.1096	0.0000	1,570.1987	1,570.1987	0.0301	0.0288	1,579.5296
Hospital	3.72985e+006	0.0201	0.1828	0.1536	1.1000e-003		0.0139	0.0139		0.0139	0.0139	0.0000	199.0389	199.0389	3.8100e-003	3.6500e-003	200.2217
Medical Office Building	1.48292e+006	8.0000e-003	0.0727	0.0611	4.4000e-004		5.5200e-003	5.5200e-003		5.5200e-003	5.5200e-003	0.0000	79.1340	79.1340	1.5200e-003	1.4500e-003	79.6043
Total		0.1868	1.6979	1.4262	0.0102		0.1290	0.1290		0.1290	0.1290	0.0000	1,848.3716	1,848.3716	0.0354	0.0339	1,859.3555

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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			
Hospital	1.07836e+006	352.4159	0.0142	2.9300e-003	353.6451
Hospital	8.50704e+006	2,780.1755	0.1119	0.0232	2,789.8725
Medical Office Building	987141	322.6064	0.0130	2.6900e-003	323.7316
Total		3,455.1978	0.1391	0.0288	3,467.2492

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hospital	1.07836e+006	352.4159	0.0142	2.9300e-003	353.6451
Hospital	8.50704e+006	2,780.1755	0.1119	0.0232	2,789.8725
Medical Office Building	987141	322.6064	0.0130	2.6900e-003	323.7316
Total		3,455.1978	0.1391	0.0288	3,467.2492

6.0 Area Detail

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6.1 Mitigation Measures Area

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.0804	5.0000e-005	5.4000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0106	0.0106	3.0000e-005	0.0000	0.0112
Unmitigated	3.2688	5.0000e-005	5.4000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0106	0.0106	3.0000e-005	0.0000	0.0112

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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7478					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5205					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.9000e-004	5.0000e-005	5.4000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0106	0.0106	3.0000e-005	0.0000	0.0112
Total	3.2688	5.0000e-005	5.4000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0106	0.0106	3.0000e-005	0.0000	0.0112

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	0.7478					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3320					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.9000e-004	5.0000e-005	5.4000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0106	0.0106	3.0000e-005	0.0000	0.0112
Total	3.0804	5.0000e-005	5.4000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0106	0.0106	3.0000e-005	0.0000	0.0112

7.0 Water Detail

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7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	292.9549	1.8244	0.0451	352.0088
Unmitigated	292.9549	1.8244	0.0451	352.0088

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hospital	46.4337 / 8.84451	244.4370	1.5223	0.0376	293.7106
Medical Office Building	9.21655 / 1.75553	48.5179	0.3022	7.4700e-003	58.2982
Total		292.9549	1.8245	0.0451	352.0088

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hospital	46.4337 / 8.84451	244.4370	1.5223	0.0376	293.7106
Medical Office Building	9.21655 / 1.75553	48.5179	0.3022	7.4700e-003	58.2982
Total		292.9549	1.8245	0.0451	352.0088

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	467.4679	27.6266	0.0000	1,158.1319
Unmitigated	467.4679	27.6266	0.0000	1,158.1319

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hospital	1509.64	306.4433	18.1103	0.0000	759.2003
Medical Office Building	793.26	161.0246	9.5163	0.0000	398.9317
Total		467.4679	27.6266	0.0000	1,158.1319

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hospital	1509.64	306.4433	18.1103	0.0000	759.2003
Medical Office Building	793.26	161.0246	9.5163	0.0000	398.9317
Total		467.4679	27.6266	0.0000	1,158.1319

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Summer

Scripps Mercy Existing Hospital Operations
San Diego Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	467.00	Bed	2.67	507,580.00	0
Hospital	50.00	Bed	0.62	64,341.00	0
Medical Office Building	73.45	1000sqft	0.57	73,448.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2030
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Summer

Project Characteristics -

Land Use - Lot acreage estimated using GoogleEarth. Existing Hospital, 550 Washington St. MOB, and Behavioral Health Clinic.

Construction Phase -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Grading -

Architectural Coating -

Vehicle Trips - Net trip rate from TIA, Dec 2020 (updated June 2021) 3320 trips for Hospital/BHC; 3673 trips for 550 Washington MOB (applied for weekdays). Weekend trips remain as default.

Area Coating -

Energy Use -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Area Mitigation -

Energy Mitigation -

Waste Mitigation -

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Summer

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	334,258.79	507,580.00
tblLandUse	LandUseSquareFeet	35,787.88	64,341.00
tblLandUse	LandUseSquareFeet	73,450.00	73,448.00
tblLandUse	LotAcreage	7.67	2.67
tblLandUse	LotAcreage	0.82	0.62
tblLandUse	LotAcreage	1.69	0.57
tblVehicleTrips	WD_TR	12.94	6.42
tblVehicleTrips	WD_TR	36.13	50.01

2.0 Emissions Summary

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	17.9140	5.4000e-004	0.0600	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		0.1292	0.1292	3.3000e-004		0.1376
Energy	1.0234	9.3036	7.8150	0.0558		0.7071	0.7071		0.7071	0.7071		11,164.2790	11,164.2790	0.2140	0.2047	11,230.6227
Mobile	8.0901	32.3019	86.7640	0.3494	37.6975	0.2210	37.9184	10.0711	0.2053	10.2763		35,805.2909	35,805.2909	1.7054		35,847.9260
Total	27.0275	41.6060	94.6390	0.4052	37.6975	0.9283	38.6257	10.0711	0.9125	10.9836		46,969.6991	46,969.6991	1.9197	0.2047	47,078.6863

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	16.8815	5.4000e-004	0.0600	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		0.1292	0.1292	3.3000e-004		0.1376
Energy	1.0234	9.3036	7.8150	0.0558		0.7071	0.7071		0.7071	0.7071		11,164.2790	11,164.2790	0.2140	0.2047	11,230.6227
Mobile	8.0901	32.3019	86.7640	0.3494	37.6975	0.2210	37.9184	10.0711	0.2053	10.2763		35,805.2909	35,805.2909	1.7054		35,847.9260
Total	25.9949	41.6060	94.6390	0.4052	37.6975	0.9283	38.6257	10.0711	0.9125	10.9836		46,969.6991	46,969.6991	1.9197	0.2047	47,078.6863

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	3.82	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	8/2/2021	8/6/2021	5	5	
2	Grading	Grading	8/7/2021	8/18/2021	5	8	
3	Building Construction	Building Construction	8/19/2021	7/6/2022	5	230	
4	Paving	Paving	7/7/2022	8/1/2022	5	18	
5	Architectural Coating	Architectural Coating	8/2/2022	8/25/2022	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 968,054; Non-Residential Outdoor: 322,685; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	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	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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	207.00	106.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	41.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Summer

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

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

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Summer

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0405	0.4774	1.4700e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		146.5994	146.5994	4.1800e-003		146.7040
Total	0.0623	0.0405	0.4774	1.4700e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		146.5994	146.5994	4.1800e-003		146.7040

Mitigated Construction On-Site

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

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Summer

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0623	0.0405	0.4774	1.4700e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		146.5994	146.5994	4.1800e-003		146.7040
Total	0.0623	0.0405	0.4774	1.4700e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		146.5994	146.5994	4.1800e-003		146.7040

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	6.5523	1.1599	7.7123	3.3675	1.0671	4.4346		2,871.9285	2,871.9285	0.9288		2,895.1495

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Summer

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0519	0.0337	0.3979	1.2300e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		122.1661	122.1661	3.4900e-003		122.2533
Total	0.0519	0.0337	0.3979	1.2300e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		122.1661	122.1661	3.4900e-003		122.2533

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	6.5523	1.1599	7.7123	3.3675	1.0671	4.4346	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Summer

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0519	0.0337	0.3979	1.2300e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		122.1661	122.1661	3.4900e-003		122.2533
Total	0.0519	0.0337	0.3979	1.2300e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		122.1661	122.1661	3.4900e-003		122.2533

3.4 Building Construction - 2021

Unmitigated Construction On-Site

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

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Summer

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3205	10.7939	2.7507	0.0287	0.7176	0.0227	0.7403	0.2066	0.0217	0.2283		3,088.3306	3,088.3306	0.2207		3,093.8474
Worker	0.7160	0.4652	5.4904	0.0169	1.7005	0.0118	1.7122	0.4510	0.0108	0.4619		1,685.8926	1,685.8926	0.0481		1,687.0955
Total	1.0365	11.2591	8.2411	0.0456	2.4180	0.0344	2.4525	0.6576	0.0325	0.6901		4,774.2232	4,774.2232	0.2688		4,780.9429

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Summer

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3205	10.7939	2.7507	0.0287	0.7176	0.0227	0.7403	0.2066	0.0217	0.2283		3,088.3306	3,088.3306	0.2207		3,093.8474
Worker	0.7160	0.4652	5.4904	0.0169	1.7005	0.0118	1.7122	0.4510	0.0108	0.4619		1,685.8926	1,685.8926	0.0481		1,687.0955
Total	1.0365	11.2591	8.2411	0.0456	2.4180	0.0344	2.4525	0.6576	0.0325	0.6901		4,774.2232	4,774.2232	0.2688		4,780.9429

3.4 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

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Summer

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2981	10.2007	2.6052	0.0284	0.7176	0.0195	0.7371	0.2066	0.0187	0.2252		3,059.3060	3,059.3060	0.2139		3,064.6538
Worker	0.6769	0.4242	5.1054	0.0163	1.7005	0.0115	1.7120	0.4510	0.0106	0.4616		1,624.0387	1,624.0387	0.0441		1,625.1413
Total	0.9750	10.6249	7.7106	0.0447	2.4180	0.0310	2.4490	0.6576	0.0292	0.6868		4,683.3447	4,683.3447	0.2580		4,689.7952

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Summer

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2981	10.2007	2.6052	0.0284	0.7176	0.0195	0.7371	0.2066	0.0187	0.2252		3,059.3060	3,059.3060	0.2139		3,064.6538
Worker	0.6769	0.4242	5.1054	0.0163	1.7005	0.0115	1.7120	0.4510	0.0106	0.4616		1,624.0387	1,624.0387	0.0441		1,625.1413
Total	0.9750	10.6249	7.7106	0.0447	2.4180	0.0310	2.4490	0.6576	0.0292	0.6868		4,683.3447	4,683.3447	0.2580		4,689.7952

3.5 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	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Summer

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0654	0.0410	0.4933	1.5700e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		156.9120	156.9120	4.2600e-003		157.0185
Total	0.0654	0.0410	0.4933	1.5700e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		156.9120	156.9120	4.2600e-003		157.0185

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Summer

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0654	0.0410	0.4933	1.5700e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		156.9120	156.9120	4.2600e-003		157.0185
Total	0.0654	0.0410	0.4933	1.5700e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		156.9120	156.9120	4.2600e-003		157.0185

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	830.9132					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	831.1178	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Summer

3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1341	0.0840	1.0112	3.2300e-003	0.3368	2.2800e-003	0.3391	0.0893	2.1000e-003	0.0914		321.6695	321.6695	8.7400e-003		321.8879
Total	0.1341	0.0840	1.0112	3.2300e-003	0.3368	2.2800e-003	0.3391	0.0893	2.1000e-003	0.0914		321.6695	321.6695	8.7400e-003		321.8879

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	830.9132					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	831.1178	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Summer

3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1341	0.0840	1.0112	3.2300e-003	0.3368	2.2800e-003	0.3391	0.0893	2.1000e-003	0.0914		321.6695	321.6695	8.7400e-003		321.8879
Total	0.1341	0.0840	1.0112	3.2300e-003	0.3368	2.2800e-003	0.3391	0.0893	2.1000e-003	0.0914		321.6695	321.6695	8.7400e-003		321.8879

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.0901	32.3019	86.7640	0.3494	37.6975	0.2210	37.9184	10.0711	0.2053	10.2763		35,805.2909	35,805.2909	1.7054		35,847.9260
Unmitigated	8.0901	32.3019	86.7640	0.3494	37.6975	0.2210	37.9184	10.0711	0.2053	10.2763		35,805.2909	35,805.2909	1.7054		35,847.9260

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hospital	2,998.14	3,801.38	3357.73	7,968,984	7,968,984
Hospital	321.00	407.00	359.50	853,210	853,210
Medical Office Building	3,673.23	658.11	113.85	5,351,158	5,351,158
Total	6,992.37	4,866.49	3,831.08	14,173,352	14,173,352

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
Hospital	9.50	7.30	7.30	64.90	16.10	19.00	73	25	2
Hospital	9.50	7.30	7.30	64.90	16.10	19.00	73	25	2
Medical Office Building	9.50	7.30	7.30	29.60	51.40	19.00	60	30	10

4.4 Fleet Mix

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.616428	0.037185	0.177402	0.097684	0.012090	0.005279	0.017663	0.025476	0.001931	0.001677	0.005617	0.000785	0.000782
Medical Office Building	0.616428	0.037185	0.177402	0.097684	0.012090	0.005279	0.017663	0.025476	0.001931	0.001677	0.005617	0.000785	0.000782

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	1.0234	9.3036	7.8150	0.0558		0.7071	0.7071		0.7071	0.7071		11,164.2790	11,164.2790	0.2140	0.2047	11,230.6227
NaturalGas Unmitigated	1.0234	9.3036	7.8150	0.0558		0.7071	0.7071		0.7071	0.7071		11,164.2790	11,164.2790	0.2140	0.2047	11,230.6227

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hospital	80614.8	0.8694	7.9034	6.6389	0.0474		0.6007	0.6007		0.6007	0.6007		9,484.0975	9,484.0975	0.1818	0.1739	9,540.4568
Hospital	10218.8	0.1102	1.0018	0.8416	6.0100e-003		0.0761	0.0761		0.0761	0.0761		1,202.2072	1,202.2072	0.0230	0.0220	1,209.3513
Medical Office Building	4062.78	0.0438	0.3983	0.3346	2.3900e-003		0.0303	0.0303		0.0303	0.0303		477.9743	477.9743	9.1600e-003	8.7600e-003	480.8146
Total		1.0234	9.3036	7.8150	0.0558		0.7071	0.7071		0.7071	0.7071		11,164.2790	11,164.2790	0.2140	0.2047	11,230.6227

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					
Hospital	102188	0.1102	1.0018	0.8416	6.0100e-003		0.0761	0.0761		0.0761	0.0761		1,202.2072	1,202.2072	0.0230	0.0220	1,209.3513
Hospital	80.6148	0.8694	7.9034	6.6389	0.0474		0.6007	0.6007		0.6007	0.6007		9,484.0975	9,484.0975	0.1818	0.1739	9,540.4568
Medical Office Building	4.06278	0.0438	0.3983	0.3346	2.3900e-003		0.0303	0.0303		0.0303	0.0303		477.9743	477.9743	9.1600e-003	8.7600e-003	480.8146
Total		1.0234	9.3036	7.8150	0.0558		0.7071	0.7071		0.7071	0.7071		11,164.2790	11,164.2790	0.2140	0.2047	11,230.6227

6.0 Area Detail

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Summer

6.1 Mitigation Measures Area

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	16.8815	5.4000e-004	0.0600	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		0.1292	0.1292	3.3000e-004		0.1376
Unmitigated	17.9140	5.4000e-004	0.0600	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		0.1292	0.1292	3.3000e-004		0.1376

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.0977					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.8109					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.4900e-003	5.4000e-004	0.0600	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		0.1292	0.1292	3.3000e-004		0.1376
Total	17.9140	5.4000e-004	0.0600	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		0.1292	0.1292	3.3000e-004		0.1376

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	4.0977					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.7783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.4900e-003	5.4000e-004	0.0600	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		0.1292	0.1292	3.3000e-004		0.1376
Total	16.8815	5.4000e-004	0.0600	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		0.1292	0.1292	3.3000e-004		0.1376

7.0 Water Detail

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Summer

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

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Winter

Scripps Mercy Existing Hospital Operations
San Diego Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	467.00	Bed	2.67	507,580.00	0
Hospital	50.00	Bed	0.62	64,341.00	0
Medical Office Building	73.45	1000sqft	0.57	73,448.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2030
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Winter

Project Characteristics -

Land Use - Lot acreage estimated using GoogleEarth. Existing Hospital, 550 Washington St. MOB, and Behavioral Health Clinic.

Construction Phase -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Grading -

Architectural Coating -

Vehicle Trips - Net trip rate from TIA, Dec 2020 (updated June 2021) 3320 trips for Hospital/BHC; 3673 trips for 550 Washington MOB (applied for weekdays).
Weekend trips remain as default.

Area Coating -

Energy Use -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Area Mitigation -

Energy Mitigation -

Waste Mitigation -

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Winter

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	334,258.79	507,580.00
tblLandUse	LandUseSquareFeet	35,787.88	64,341.00
tblLandUse	LandUseSquareFeet	73,450.00	73,448.00
tblLandUse	LotAcreage	7.67	2.67
tblLandUse	LotAcreage	0.82	0.62
tblLandUse	LotAcreage	1.69	0.57
tblVehicleTrips	WD_TR	12.94	6.42
tblVehicleTrips	WD_TR	36.13	50.01

2.0 Emissions Summary

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	17.9140	5.4000e-004	0.0600	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		0.1292	0.1292	3.3000e-004		0.1376
Energy	1.0234	9.3036	7.8150	0.0558		0.7071	0.7071		0.7071	0.7071		11,164.2790	11,164.2790	0.2140	0.2047	11,230.6227
Mobile	7.7998	32.8358	85.8483	0.3318	37.6975	0.2218	37.9192	10.0711	0.2060	10.2771		34,010.8505	34,010.8505	1.7224		34,053.9107
Total	26.7373	42.1399	93.7233	0.3876	37.6975	0.9291	38.6265	10.0711	0.9133	10.9844		45,175.2587	45,175.2587	1.9367	0.2047	45,284.6710

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	16.8815	5.4000e-004	0.0600	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		0.1292	0.1292	3.3000e-004		0.1376
Energy	1.0234	9.3036	7.8150	0.0558		0.7071	0.7071		0.7071	0.7071		11,164.2790	11,164.2790	0.2140	0.2047	11,230.6227
Mobile	7.7998	32.8358	85.8483	0.3318	37.6975	0.2218	37.9192	10.0711	0.2060	10.2771		34,010.8505	34,010.8505	1.7224		34,053.9107
Total	25.7047	42.1399	93.7233	0.3876	37.6975	0.9291	38.6265	10.0711	0.9133	10.9844		45,175.2587	45,175.2587	1.9367	0.2047	45,284.6710

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	3.86	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	8/2/2021	8/6/2021	5	5	
2	Grading	Grading	8/7/2021	8/18/2021	5	8	
3	Building Construction	Building Construction	8/19/2021	7/6/2022	5	230	
4	Paving	Paving	7/7/2022	8/1/2022	5	18	
5	Architectural Coating	Architectural Coating	8/2/2022	8/25/2022	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 968,054; Non-Residential Outdoor: 322,685; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	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	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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	207.00	106.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	41.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Winter

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

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

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Winter

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0706	0.0454	0.4488	1.3800e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		137.6186	137.6186	3.9500e-003		137.7174
Total	0.0706	0.0454	0.4488	1.3800e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		137.6186	137.6186	3.9500e-003		137.7174

Mitigated Construction On-Site

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

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Winter

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0706	0.0454	0.4488	1.3800e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		137.6186	137.6186	3.9500e-003		137.7174
Total	0.0706	0.0454	0.4488	1.3800e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		137.6186	137.6186	3.9500e-003		137.7174

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	6.5523	1.1599	7.7123	3.3675	1.0671	4.4346		2,871.9285	2,871.9285	0.9288		2,895.1495

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Winter

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		114.6821	114.6821	3.2900e-003		114.7645
Total	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		114.6821	114.6821	3.2900e-003		114.7645

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	6.5523	1.1599	7.7123	3.3675	1.0671	4.4346	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Winter

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		114.6821	114.6821	3.2900e-003		114.7645
Total	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		114.6821	114.6821	3.2900e-003		114.7645

3.4 Building Construction - 2021

Unmitigated Construction On-Site

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

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Winter

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.3379	10.7652	3.0628	0.0280	0.7176	0.0236	0.7412	0.2066	0.0226	0.2291		3,008.4846	3,008.4846	0.2344			3,014.3438
Worker	0.8119	0.5222	5.1610	0.0159	1.7005	0.0118	1.7122	0.4510	0.0108	0.4619		1,582.6135	1,582.6135	0.0455			1,583.7502
Total	1.1498	11.2874	8.2238	0.0439	2.4180	0.0353	2.4534	0.6576	0.0334	0.6910		4,591.0981	4,591.0981	0.2798			4,598.0940

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Winter

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3379	10.7652	3.0628	0.0280	0.7176	0.0236	0.7412	0.2066	0.0226	0.2291		3,008.4846	3,008.4846	0.2344		3,014.3438
Worker	0.8119	0.5222	5.1610	0.0159	1.7005	0.0118	1.7122	0.4510	0.0108	0.4619		1,582.6135	1,582.6135	0.0455		1,583.7502
Total	1.1498	11.2874	8.2238	0.0439	2.4180	0.0353	2.4534	0.6576	0.0334	0.6910		4,591.0981	4,591.0981	0.2798		4,598.0940

3.4 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

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Winter

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3143	10.1662	2.9000	0.0277	0.7176	0.0203	0.7379	0.2066	0.0194	0.2260		2,979.6878	2,979.6878	0.2269		2,985.3599
Worker	0.7694	0.4760	4.7889	0.0153	1.7005	0.0115	1.7120	0.4510	0.0106	0.4616		1,524.6080	1,524.6080	0.0416		1,525.6486
Total	1.0837	10.6422	7.6889	0.0430	2.4180	0.0318	2.4499	0.6576	0.0300	0.6876		4,504.2957	4,504.2957	0.2685		4,511.0086

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Winter

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3143	10.1662	2.9000	0.0277	0.7176	0.0203	0.7379	0.2066	0.0194	0.2260		2,979.6878	2,979.6878	0.2269		2,985.3599
Worker	0.7694	0.4760	4.7889	0.0153	1.7005	0.0115	1.7120	0.4510	0.0106	0.4616		1,524.6080	1,524.6080	0.0416		1,525.6486
Total	1.0837	10.6422	7.6889	0.0430	2.4180	0.0318	2.4499	0.6576	0.0300	0.6876		4,504.2957	4,504.2957	0.2685		4,511.0086

3.5 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	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Winter

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0743	0.0460	0.4627	1.4800e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		147.3051	147.3051	4.0200e-003		147.4057
Total	0.0743	0.0460	0.4627	1.4800e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		147.3051	147.3051	4.0200e-003		147.4057

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Winter

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0743	0.0460	0.4627	1.4800e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		147.3051	147.3051	4.0200e-003		147.4057
Total	0.0743	0.0460	0.4627	1.4800e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		147.3051	147.3051	4.0200e-003		147.4057

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	830.9132					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	831.1178	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Winter

3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1524	0.0943	0.9485	3.0300e-003	0.3368	2.2800e-003	0.3391	0.0893	2.1000e-003	0.0914		301.9755	301.9755	8.2400e-003		302.1816
Total	0.1524	0.0943	0.9485	3.0300e-003	0.3368	2.2800e-003	0.3391	0.0893	2.1000e-003	0.0914		301.9755	301.9755	8.2400e-003		302.1816

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	830.9132					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	831.1178	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Winter

3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1524	0.0943	0.9485	3.0300e-003	0.3368	2.2800e-003	0.3391	0.0893	2.1000e-003	0.0914		301.9755	301.9755	8.2400e-003		302.1816
Total	0.1524	0.0943	0.9485	3.0300e-003	0.3368	2.2800e-003	0.3391	0.0893	2.1000e-003	0.0914		301.9755	301.9755	8.2400e-003		302.1816

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.7998	32.8358	85.8483	0.3318	37.6975	0.2218	37.9192	10.0711	0.2060	10.2771		34,010.8505	34,010.8505	1.7224		34,053.9107
Unmitigated	7.7998	32.8358	85.8483	0.3318	37.6975	0.2218	37.9192	10.0711	0.2060	10.2771		34,010.8505	34,010.8505	1.7224		34,053.9107

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hospital	2,998.14	3,801.38	3357.73	7,968,984	7,968,984
Hospital	321.00	407.00	359.50	853,210	853,210
Medical Office Building	3,673.23	658.11	113.85	5,351,158	5,351,158
Total	6,992.37	4,866.49	3,831.08	14,173,352	14,173,352

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
Hospital	9.50	7.30	7.30	64.90	16.10	19.00	73	25	2
Hospital	9.50	7.30	7.30	64.90	16.10	19.00	73	25	2
Medical Office Building	9.50	7.30	7.30	29.60	51.40	19.00	60	30	10

4.4 Fleet Mix

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.616428	0.037185	0.177402	0.097684	0.012090	0.005279	0.017663	0.025476	0.001931	0.001677	0.005617	0.000785	0.000782
Medical Office Building	0.616428	0.037185	0.177402	0.097684	0.012090	0.005279	0.017663	0.025476	0.001931	0.001677	0.005617	0.000785	0.000782

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	1.0234	9.3036	7.8150	0.0558		0.7071	0.7071		0.7071	0.7071		11,164.2790	11,164.2790	0.2140	0.2047	11,230.6227
NaturalGas Unmitigated	1.0234	9.3036	7.8150	0.0558		0.7071	0.7071		0.7071	0.7071		11,164.2790	11,164.2790	0.2140	0.2047	11,230.6227

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hospital	80614.8	0.8694	7.9034	6.6389	0.0474		0.6007	0.6007		0.6007	0.6007		9,484.0975	9,484.0975	0.1818	0.1739	9,540.4568
Hospital	10218.8	0.1102	1.0018	0.8416	6.0100e-003		0.0761	0.0761		0.0761	0.0761		1,202.2072	1,202.2072	0.0230	0.0220	1,209.3513
Medical Office Building	4062.78	0.0438	0.3983	0.3346	2.3900e-003		0.0303	0.0303		0.0303	0.0303		477.9743	477.9743	9.1600e-003	8.7600e-003	480.8146
Total		1.0234	9.3036	7.8150	0.0558		0.7071	0.7071		0.7071	0.7071		11,164.2790	11,164.2790	0.2140	0.2047	11,230.6227

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					
Hospital	102188	0.1102	1.0018	0.8416	6.0100e-003		0.0761	0.0761		0.0761	0.0761		1,202.2072	1,202.2072	0.0230	0.0220	1,209.3513
Hospital	80.6148	0.8694	7.9034	6.6389	0.0474		0.6007	0.6007		0.6007	0.6007		9,484.0975	9,484.0975	0.1818	0.1739	9,540.4568
Medical Office Building	4.06278	0.0438	0.3983	0.3346	2.3900e-003		0.0303	0.0303		0.0303	0.0303		477.9743	477.9743	9.1600e-003	8.7600e-003	480.8146
Total		1.0234	9.3036	7.8150	0.0558		0.7071	0.7071		0.7071	0.7071		11,164.2790	11,164.2790	0.2140	0.2047	11,230.6227

6.0 Area Detail

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Winter

6.1 Mitigation Measures Area

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	16.8815	5.4000e-004	0.0600	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		0.1292	0.1292	3.3000e-004		0.1376
Unmitigated	17.9140	5.4000e-004	0.0600	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		0.1292	0.1292	3.3000e-004		0.1376

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Winter

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.0977					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.8109					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.4900e-003	5.4000e-004	0.0600	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		0.1292	0.1292	3.3000e-004		0.1376
Total	17.9140	5.4000e-004	0.0600	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		0.1292	0.1292	3.3000e-004		0.1376

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	4.0977					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.7783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.4900e-003	5.4000e-004	0.0600	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		0.1292	0.1292	3.3000e-004		0.1376
Total	16.8815	5.4000e-004	0.0600	0.0000		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		0.1292	0.1292	3.3000e-004		0.1376

7.0 Water Detail

Scripps Mercy Existing Hospital Operations - San Diego Air Basin, Winter

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

APPENDIX B

DPM TOXICITY VALUES, AIR EMISSIONS, AND

RISK CALCULATION TABLES

Scripps Mercy Hospital CUP Amendment Project

4077 Fifth Ave., San Diego, CA

Diesel Exhaust - Health Risk Toxicity Values

January 28, 2022

Reference: Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values, Updated October 2, 2020

Pollutant	Cancer Potency Factor (mg/kg-day)⁻¹	Chronic Risk REL (µg/m³)	Acute Risk REL (µg/m³)
Diesel Particulate Matter	1.10E+00	5.00E+00	--
Arsenic	--	--	2.00E-01
Copper	--	--	1.00E+02
Mercury	--	--	6.00E-01
Nickel	--	--	2.00E-01
1,3-Butadiene	--	--	6.60E+02
Acetaldehyde	--	--	4.70E+02
Acrolein	--	--	**
Benzene	--	--	2.70E+01
Formaldehyde	--	--	5.50E+01
Hydrochloric acid	--	--	2.10E+03
Toluene	--	--	5.00E+03
Xylenes (mixed)	--	--	2.20E+04

**ARB Policy is to exclude acrolein from risk management decisions, based upon Method 430 source test emission factors.

Scripps Mercy Hospital CUP Amendment Project

4077 Fifth Ave., San Diego, CA
 CalEEMod Phase Emissions of Exhaust PM₁₀ (DPM)
 January 28, 2022

Reference: CalEEMod Annual and Daily Output (Construction) - Scripps Mercy Hospital (2/20/21, 3/1/21, 8/2/21, and MOB II Remodeling 1/28/22)

Source ID	Source Description	Cancer Risk Modeling				Chronic Risk Modeling			Acute Modeling		
		Cancer Risk Averaging Period (Years)	Avg. Annual Mitigated Exhaust PM ₁₀ Emissions over Avg. Period (tpy)	Avg. Annual Exhaust PM ₁₀ Emissions (w/out DPFs) (g/sec)	Avg. Annual Exhaust PM ₁₀ Emissions (with DPFs) (g/sec)	Construction Phase Length (Years)	Avg. Annual Mitigated Exhaust PM ₁₀ Emissions (tpy)	Avg. Annual Exhaust PM ₁₀ Emissions (g/sec)	Max. Daily Exhaust PM ₁₀ Year	Max. Daily Mitigated Exhaust PM ₁₀ Emissions (lb/day)	Max. Hourly Mitigated Exhaust PM ₁₀ Emissions (g/sec)
SM_CONST	Scripps Mercy Construction Area	30	0.0789	0.00227	0.00025	9.083	0.318	0.00916	2024	8.829	0.1112

Diesel Particulate Filter (DPF) Control Efficiency:

89%

Diesel Particulate Filters (DPFs) installed on all diesel-fueled construction equipment. 89% control efficiency assumed (Ref. <https://www.epa.gov/sites/production/files/2016-03/documents/420f10029.pdf>)
 6/9/21 Update: Construction components schedule was updated by the client on 6/7/21 from the original 8-yr period (2022 - 2030) to a 25-yr period (2022 - 2047). Calculations using OFFROAD2017 DPM emission factors and the new extended schedule reduce total project DPM emissions from 2.89 tons to 2.04 tons.
 1/28/22 Update: Remodeled MOB II only due to project update received 1/20/22. Total Exhaust PM₁₀ = 2.91 tons/project. The new construction schedule (2022 - 2038) now covers a 16-yr period instead of a 25-yr period. See equation below used to Interpolate from the projected DPM emissions for a 25-yr construction timeline (6/9/21 update, above) to the new 16-yr timeline:

$$\text{New 16-yr DPM emissions} = 2.91 \text{ tons/project} - \{[(2.89 \text{ tons/project} - 2.04 \text{ tons/project})/25 \text{ years}] * 16 \text{ years}\}$$

$$= 2.366 \text{ tons/project}$$

Acute Modeling - Speciated Emissions

Component of Diesel Exhaust	Diesel Default TAC Concentration for Acute Risk* (lb/1000gal)	Diesel TAC Acute Ratio (g TAC/g Diesel Exhaust)	Source Emissions (g/sec)
Arsenic	0.0016	0.0009	9.86E-05
Copper	0.0041	0.0023	2.53E-04
Mercury	0.0020	0.0011	1.23E-04
Nickel	0.0039	0.0022	2.40E-04
1,3-Butadiene	0.2174	0.1204	1.34E-02
Acetaldehyde	0.7833	0.4340	4.83E-02
Acrolein	0.0339	0.0188	**
Benzene	0.1863	0.1032	1.15E-02
Formaldehyde	1.7261	0.9563	1.06E-01
Hydrochloric acid	0.1863	0.1032	1.15E-02
Toluene	0.1054	0.0584	6.50E-03
Xylenes (mixed)	0.0424	0.0235	2.61E-03

* Diesel Default TAC Concentration for Acute Risk (lb/1000gal) from <http://www.vcapcd.org/pubs/Engineering/AirToxics/combem.pdf>

** ARB Policy is to exclude acrolein from risk management decisions, based upon Method 430 source test emission factors.

Conversion Factors:

lbs/ton	2000	
g/lb	453.592	
sec/hr	3600	
hr/yr	8760	
hr/day	10	
gal/g diesel exhaust	1.22139013	Calculated from EMFAC2017 for Offroad equipment >100 hp

Scripps Mercy Hospital CUP Amendment Project

4077 Fifth Ave., San Diego, CA
 Screening Health Risk Assessment
 January 28, 2022

AERMOD Run Name (Cancer/Chronic Risk): Scripps Mercy HRA_Ann_022321.isc
AERMOD Run Name (Acute Risk): Scripps Mercy HRA_Acute_022321.isc

Data Inputs	Value	Units	Reference
Source Type	AREA POLY	--	Area source over entire construction area
Source ID	SM_CONST	--	
Emission Rate	2.78E-05	g/sec-m ²	1 g/sec spread out over entire area source
Release Height	5.0	m	SCAQMD Localized Significance Threshold Methodology (July 2008)
Initial Vertical Dimension	1.16	m	Release ht. / 4.3
Meteorological Data	Kearny Mesa (KVR) (2014-2016)	--	Version 19191
Terrain	Flat	--	
Urban/Rural	Urban	--	Based on surrounding land characteristics - >50% urban in 3 km radius; Population = 3,338,330 (Census pop. est. of SD County)
Hours of Operation	7 AM - 5 PM	--	

AERMOD Modeling Results

Equation Inputs	Abbreviation	Units	Resident	Sensitive Receptor	Reference
Combined Exposure Factor	CEF	Unitless	677.4	677.4	Calculated in tables below.
Dispersion Coefficient, annual average	X/Q	(µg/m ³)/(g/sec)	51.5	16.4	Estimated from AERMOD, Annual Average
UTM Location of annual avg. PMI	--	m	485057.15 3623623.74	485023.54 3623554.43	Resident location: Warwick Apartments at 606 Washington Street Sensitive Rec. location: Select Specialty Hospital at 555 Washington Street
Dispersion Coefficient, 1-hr	X/Q	(µg/m ³)/(g/sec)	433.6	340.8	Estimated from AERMOD, 1-hr
UTM Location of 1-hr PMI	--	m	484924.82 3623536.57	485023.54 3623554.43	Resident location: House on Bathhouse Row, south of Washington Street Sensitive Rec. location: Select Specialty Hospital at 555 Washington Street

Cancer Risk Due to DPM in Construction Areas

Maximum Individual Cancer Risk

$$MICR_R = CP \times Q_{199-30yrs} \times X/Q \times MWF \times CEF_R \times MP_R \times 10^{-6}$$

Abbreviation	Units	DPM (w/out DPFs)	DPM (with DPFs)
Maximum Annual TAC Emission Rate Over 30 yrs	Q _{199-30yrs}	g/sec	2.27E-03
Multipathway Factor - Resident	MP _R	unitless	1
Molecular Weight Adjustment Factor	MWAF	unitless	1
Cancer Potency Factor	CP	(mg/kg-day) ⁻¹	1.1E+00
MICR (Resident)	MICR	unitless	8.71E-05
		Cancer Risk Threshold	1.0E-05
		Exceed Threshold?	YES
MICR (Sensitive Receptor)	MICR	unitless	2.77E-05
		Exceed Threshold?	NO

Chronic Risk Due to DPM in the Construction Area

Chronic Hazard Index Calculation

$$HIC = Q_{199} \times X/Q \times MP \times MWAF / REL$$

Abbreviation	Units	DPM
Maximum Annual TAC Emission Rate	Q ₁₉₉	g/sec
Multipathway Factor - Resident	MP _R	unitless
Molecular Weight Adjustment Factor	MWAF	unitless
Chronic REL	REL	µg/m ³
Chronic Risk (Resident)	MICR	unitless
		Chronic Risk Threshold
		Exceed Threshold?
Chronic Risk (Sensitive Receptor)	MICR	unitless
		Exceed Threshold?

Combined Exposure Factor (CEF) Calculations (for Cancer Risk):

Inputs	Abbreviation	Units	Resident
Combined Exposure Factor	CEF	Unitless	677.40
Cancer Risk Equation Conversion Factor	--	(mg/µg) x (m ³ /l)	0.000001

Equation:

$$CEF_R = DBR \times ASF \times ED \times FAH \times EF/AT$$

Resident/Sensitive Receptor CEF for 9 Years

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency	Averaging Time (years)	Exposure Factor	CEF _R
-0.25 to 0	361	10	0.25	1	0.96	70	12.38	677.4
0 to 2	1090	10	2	1	0.96	70	298.97	
2 to 16	572	3	14	1	0.96	70	329.47	
16 to 30	261	1	14	0.73	0.96	70	36.58	

Reference: SCAQMD Risk Assessment Procedures for Rules 1401, 1401.1 and 212, Version 8.1, Sept. 1, 2017 for CEF calculation methodology.

Conversions

Hours to Seconds	--	sec/hr	3600
Pounds to Grams	--	g/lb	453.592

Scripps Mercy Hospital CUP Amendment Project

4077 Fifth Ave., San Diego, CA
 Screening Health Risk Assessment
 January 28, 2022

AERMOD Run Name (Cancer/Chronic Risk): Scripps Mercy HRA_Ann_022321.isc
AERMOD Run Name (Acute Risk): Scripps Mercy HRA_Acute_022321.isc

AERMOD Modeling Results

Equation Inputs	Abbreviation	Units	Resident	Sensitive Receptor	Reference
Combined Exposure Factor	CEF	Unitless	677.4	677.4	Calculated in tables below.
Dispersion Coefficient, annual average	X/Q	(µg/m ³)/(g/sec)	51.5	16.4	Estimated from AERMOD, Annual Average
UTM Location of annual avg. PMI	--	m	485057.15 3623623.74	485023.54 3623554.43	Resident location: Warwick Apartments at 606 Washington Street Sensitive Rec. location: Select Specialty Hospital at 555 Washington Street
Dispersion Coefficient, 1-hr	X/Q	(µg/m ³)/(g/sec)	433.6	340.8	Estimated from AERMOD, 1-hr
UTM Location of 1-hr PMI	--	m	484924.82 3623536.57	485023.54 3623554.43	Resident location: House on Bathhouse Row, south of Washington Street Sensitive Rec. location: Select Specialty Hospital at 555 Washington Street

Acute Risk Due to Diesel Exhaust in the Construction Area

Acute Hazard Index Calculation

HIA = Q_{1-hr} x X/Q x MAAF/REL

Pollutant	Target Organs	Molecular Weight Adjustment Factor (MAAF)	Acute Reference Exposure Level (REL) (µg/m ³)	TAC Maximum 1-hr Emissions (Q _{1-hr}) (g/sec)	Acute Risk by Organ at PMI						
					Resident Acute Risk (Receptor #8)						
					Developmental	Cardiovascular	Central Nervous System	Respiratory	Immunity	Eyes	Blood
Arsenic	Dev, CV, CNS	1	2.00E-01	9.86E-05	2.14E-01	2.14E-01	2.14E-01	--	--	--	--
Copper	Resp	1	1.00E+02	2.53E-04	--	--	--	1.10E-03	--	--	--
Mercury	CNS, Dev	1	6.00E-01	1.23E-04	8.91E-02	--	8.91E-02	--	--	--	--
Nickel	Imm	1	2.00E-01	2.40E-04	--	--	--	--	5.21E-01	--	--
1,3-Butadiene	Dev	1	6.60E+02	1.34E-02	8.80E-03	--	--	--	--	--	--
Acetaldehyde	Eye, Resp	1	4.70E+02	4.83E-02	--	--	--	4.45E-02	--	4.45E-02	--
Acrolein	Eye, Resp	1	**	**	**	**	**	**	**	**	**
Benzene	Dev, Imm, Blood	1	2.70E+01	1.15E-02	1.84E-01	--	--	--	1.84E-01	--	1.84E-01
Formaldehyde	Eye	1	5.50E+01	1.06E-01	--	--	--	--	--	8.39E-01	--
Hydrochloric acid	Resp, Eye	1	2.10E+03	1.15E-02	--	--	--	2.37E-03	--	2.37E-03	--
Toluene	Resp, CNS, Eye	1	5.00E+03	6.50E-03	--	--	5.63E-04	5.63E-04	--	5.63E-04	--
Xylenes (mixed)	CNS, Resp Eye	1	2.20E+04	2.61E-03	--	--	5.15E-05	5.15E-05	--	5.15E-05	--
Total Acute Hazard Index					4.96E-01	2.14E-01	3.03E-01	4.86E-02	7.05E-01	8.86E-01	1.84E-01
Acute Hazard Index Threshold					1.0	1.0	1.0	1.0	1.0	1.0	1.0
Exceed Threshold?					NO	NO	NO	NO	NO	NO	NO

**ARB Policy is to exclude acrolein from risk management decisions, based upon Method 430 source test emission factors.

Scripps Mercy Hospital CUP Amendment Project

4077 Fifth Ave., San Diego, CA
 Screening Health Risk Assessment
 January 28, 2022

AERMOD Run Name (Cancer/Chronic Risk): Scripps Mercy HRA_Ann_022321.lsc
AERMOD Run Name (Acute Risk): Scripps Mercy HRA_Acute_022321.lsc

AERMOD Modeling Results

Equation Inputs	Abbreviation	Units	Resident	Sensitive Receptor	Reference
Combined Exposure Factor	CEF	Unitless	677.4	677.4	Calculated in tables below.
Dispersion Coefficient, annual average	X/Q	(µg/m³)/(g/sec)	51.5	16.4	Estimated from AERMOD, Annual Average
UTM Location of annual avg. PMI	--	m	485057.15 3623623.74	485023.54 3623554.43	Resident location: Warwick Apartments at 606 Washington Street Sensitive Rec. location: Select Specialty Hospital at 555 Washington Street
Dispersion Coefficient, 1-hr	X/Q	(µg/m³)/(g/sec)	433.6	340.8	Estimated from AERMOD, 1-hr
UTM Location of 1-hr PMI	--	m	484924.82 3623536.57	485023.54 3623554.43	Resident location: House on Bathhouse Row, south of Washington Street Sensitive Rec. location: Select Specialty Hospital at 555 Washington Street

Acute Risk Due to Diesel Exhaust in the Construction Area

Acute Hazard Index Calculation

$HIA = Q_{1-hr} \times X/Q \times MWF/REL$

Pollutant	Target Organs	Molecular Weight Adjustment Factor (MWF)	Acute Reference Exposure Level (REL) (µg/m³)	TAC Maximum 1-hr Emissions (Q _{1-hr}) (g/sec)	Acute Risk by Organ at PMI						
					Sensitive Receptor Acute Risk (Receptor #2)						
					Developmental	Cardiovascular	Central Nervous System	Respiratory	Immunity	Eyes	Blood
Arsenic	Dev, CV, CNS	1	2.00E-01	9.86E-05	1.68E-01	1.68E-01	1.68E-01	--	--	--	--
Copper	Resp	1	1.00E+02	2.53E-04	--	--	--	8.61E-04	--	--	--
Mercury	CNS, Dev	1	6.00E-01	1.23E-04	7.00E-02	--	7.00E-02	--	--	--	--
Nickel	Imm	1	2.00E-01	2.40E-04	--	--	--	--	4.10E-01	--	--
1,3-Butadiene	Dev	1	6.60E+02	1.34E-02	6.92E-03	--	--	--	--	--	--
Acetaldehyde	Eye, Resp	1	4.70E+02	4.83E-02	--	--	--	3.50E-02	--	3.50E-02	--
Acrolein	Eye, Resp	1	**	**	**	**	**	**	**	**	**
Benzene	Dev, Imm, Blood	1	2.70E+01	1.15E-02	1.45E-01	--	--	--	1.45E-01	--	1.45E-01
Formaldehyde	Eye	1	5.50E+01	1.06E-01	--	--	--	--	--	6.59E-01	--
Hydrochloric acid	Resp, Eye	1	2.10E+03	1.15E-02	--	--	--	1.86E-03	--	1.86E-03	--
Toluene	Resp, CNS, Eye	1	5.00E+03	6.50E-03	--	--	4.43E-04	4.43E-04	--	4.43E-04	--
Xylenes (mixed)	CNS, Resp Eye	1	2.20E+04	2.61E-03	--	--	4.05E-05	4.05E-05	--	4.05E-05	--
Total Acute Hazard Index					3.90E-01	1.68E-01	2.39E-01	3.82E-02	5.54E-01	6.97E-01	1.45E-01
Acute Hazard Index Threshold					1.0	1.0	1.0	1.0	1.0	1.0	1.0
Exceed Threshold?					NO	NO	NO	NO	NO	NO	NO

**ARB Policy is to exclude acrolein from risk management decisions, based upon Method 430 source test emission factors.

APPENDIX C

AERMOD MODELING OUTPUT FILES


```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 2/23/2021
** File: C:\Lakes\AERMOD View\Scripps Mercy\Scripps Mercy HRA_Ann_022321\Scripps Mercy HRA_Ann_022321.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE Scripps Mercy Hospital Screening HRA
  MODELOPT CONC FLAT
  AVERTIME ANNUAL
  URBANOPT 3338330 Population_of_SD_County
  POLLUTID DPM
  RUNORNOT RUN
  ERRORFIL "Scripps Mercy HRA_Ann_022321.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION SM_CONST AREAPOLY 485024.593 3623593.286 0.0
** DESCRSRC Scripps Mercy Construction Area
** Source Parameters **
SRCPARAM SM_CONST 0.0000278234 5.000 18 1.160
AREAVERT SM_CONST 485024.593 3623593.286 485023.543 3623642.649
AREAVERT SM_CONST 485094.437 3623644.750 485104.940 3623640.549
AREAVERT SM_CONST 485117.543 3623672.057 485103.889 3623671.007
AREAVERT SM_CONST 485102.839 3623716.169 485120.169 3623719.320
AREAVERT SM_CONST 485128.571 3623788.113 484881.231 3623786.537
AREAVERT SM_CONST 484867.052 3623750.828 484868.627 3623727.722
AREAVERT SM_CONST 484923.767 3623727.722 484924.817 3623675.733
AREAVERT SM_CONST 484916.415 3623651.052 484916.415 3623624.270
AREAVERT SM_CONST 484926.918 3623602.739 484949.478 3623590.442
URBANSRC ALL
** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "7AM-5PM (1)"
EMISFACT SM_CONST HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT SM_CONST HROFDY 0.0 2.4 2.4 2.4 2.4 2.4
EMISFACT SM_CONST HROFDY 2.4 2.4 2.4 2.4 2.4 0.0
EMISFACT SM_CONST HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
** DESCRREC "Resident" "Resident"
DISCCART 485057.15 3623623.74
** DESCRREC "SensRec" "Sensitive Receptor"
DISCCART 485023.54 3623554.43
** DESCRREC "Resident" "Resident"
DISCCART 485087.61 3623919.40
DISCCART 485006.74 3623952.48
DISCCART 484927.44 3623977.16
DISCCART 484849.20 3623872.13
DISCCART 484779.88 3623739.80
DISCCART 484924.82 3623536.57
DISCCART 484950.55 3623513.47
** DESCRREC "School" ""
DISCCART 484579.93 3623462.53
DISCCART 484557.87 3623538.15
** DESCRREC "Resident" "Resident"
DISCCART 485278.63 3623652.36
DISCCART 485277.84 3623729.56
RE FINISHED
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
SURFFILE KVR_2014_2016_19191.SFC
PROFFILE KVR_2014_2016_19191.PFL
SURFDATA 93107 2014
UAIRDATA 3190 2014
SITEDATA 72293 2014
PROFBASE 440.0 FEET

```

ME FINISHED
**

** AERMOD Output Pathway

**
**
OU STARTING
** Auto-Generated Plotfiles
PLOTFILE ANNUAL ALL "SCRIPPS MERCY HRA_ANN_022321.AD\AN00GALL.PLT" 31
SUMMFILE "Scripps Mercy HRA_Ann_022321.sum"
OU FINISHED

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 0 Informational Message(s)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W187 98 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 19191 *** *** Scripps Mercy Hospital Screening HRA
*** AERMET - VERSION 19191 *** ***

*** 02/23/21
*** 11:13:07
PAGE 3

*** MODELOPTs: NonDEFAULT CONC FLAT URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

ALL SM_CONST ,

*** AERMOD - VERSION 19191 *** *** Scripps Mercy Hospital Screening HRA
*** AERMET - VERSION 19191 *** ***

*** 02/23/21
*** 11:13:07
PAGE 4

*** MODELOPTs: NonDEFAULT CONC FLAT URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
	3338330.	SM_CONST ,

*** AERMOD - VERSION 19191 *** *** Scripps Mercy Hospital Screening HRA
*** AERMET - VERSION 19191 *** ***

*** 02/23/21
*** 11:13:07
 PAGE 5

*** MODELOPTs: NonDEFAULT CONC FLAT URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SOURCE ID = SM_CONST ; SOURCE TYPE = AREAPOLY :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.24000E+01	9	.24000E+01	10	.24000E+01	11	.24000E+01	12	.24000E+01
13	.24000E+01	14	.24000E+01	15	.24000E+01	16	.24000E+01	17	.24000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** AERMOD - VERSION 19191 *** *** Scripps Mercy Hospital Screening HRA
*** AERMET - VERSION 19191 *** ***

*** 02/23/21
*** 11:13:07
*** PAGE 10

*** MODELOPTs: NonDEFAULT CONC FLAT URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 3 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	51.52325 AT (485057.15, 3623623.74, 134.11, 134.11, 0.00)	DC	
	2ND HIGHEST VALUE IS	16.35106 AT (485023.54, 3623554.43, 134.11, 134.11, 0.00)	DC	
	3RD HIGHEST VALUE IS	9.89823 AT (485278.63, 3623652.36, 134.11, 134.11, 0.00)	DC	
	4TH HIGHEST VALUE IS	9.09132 AT (485277.84, 3623729.56, 134.11, 134.11, 0.00)	DC	
	5TH HIGHEST VALUE IS	5.18813 AT (484924.82, 3623536.57, 134.11, 134.11, 0.00)	DC	
	6TH HIGHEST VALUE IS	5.02586 AT (485087.61, 3623919.40, 134.11, 134.11, 0.00)	DC	
	7TH HIGHEST VALUE IS	4.18284 AT (484950.55, 3623513.47, 134.11, 134.11, 0.00)	DC	
	8TH HIGHEST VALUE IS	3.88804 AT (484779.88, 3623739.80, 134.11, 134.11, 0.00)	DC	
	9TH HIGHEST VALUE IS	3.09867 AT (484849.20, 3623872.13, 134.11, 134.11, 0.00)	DC	
	10TH HIGHEST VALUE IS	2.98969 AT (485006.74, 3623952.48, 134.11, 134.11, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 19191 *** *** Scripps Mercy Hospital Screening HRA
*** AERMET - VERSION 19191 *** ***

*** 02/23/21
*** 11:13:07
 PAGE 11

*** MODELOPTs: NonDEFAULT CONC FLAT URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 879 Informational Message(s)

A Total of 26304 Hours Were Processed

A Total of 788 Calm Hours Identified

A Total of 91 Missing Hours Identified (0.35 Percent)

***** FATAL ERROR MESSAGES *****
 *** NONE ***

***** WARNING MESSAGES *****
ME W187 98 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 2/23/2021
** File: C:\Lakes\AERMOD View\Scripps Mercy\Scripps Mercy HRA_Acute_022321\Scripps Mercy HRA_Acute_022321.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE Scripps Mercy Hospital Screening HRA
  MODELOPT CONC FLAT
  AVERTIME 1
  URBANOPT 3338330 Population_of_SD_County
  POLLUTID DPM
  RUNORNOT RUN
  ERRORFIL "Scripps Mercy HRA_Acute_022321.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION SM_CONST AREAPOLY 485024.593 3623593.286 0.0
** DESCRSRC Scripps Mercy Construction Area
** Source Parameters **
SRCPARAM SM_CONST 0.0000278234 5.000 18 1.160
AREAVERT SM_CONST 485024.593 3623593.286 485023.543 3623642.649
AREAVERT SM_CONST 485094.437 3623644.750 485104.940 3623640.549
AREAVERT SM_CONST 485117.543 3623672.057 485103.889 3623671.007
AREAVERT SM_CONST 485102.839 3623716.169 485120.169 3623719.320
AREAVERT SM_CONST 485128.571 3623788.113 484881.231 3623786.537
AREAVERT SM_CONST 484867.052 3623750.828 484868.627 3623727.722
AREAVERT SM_CONST 484923.767 3623727.722 484924.817 3623675.733
AREAVERT SM_CONST 484916.415 3623651.052 484916.415 3623624.270
AREAVERT SM_CONST 484926.918 3623602.739 484949.478 3623590.442
URBANSRC ALL
** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "7AM-5PM (1)"
EMISFACT SM_CONST HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT SM_CONST HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT SM_CONST HROFDY 1.0 1.0 1.0 1.0 1.0 0.0
EMISFACT SM_CONST HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
** DESCRREC "Resident" "Resident"
DISCCART 485057.15 3623623.74
** DESCRREC "SensRec" "Sensitive Receptor"
DISCCART 485023.54 3623554.43
** DESCRREC "Resident" "Resident"
DISCCART 485087.61 3623919.40
DISCCART 485006.74 3623952.48
DISCCART 484927.44 3623977.16
DISCCART 484849.20 3623872.13
DISCCART 484779.88 3623739.80
DISCCART 484924.82 3623536.57
DISCCART 484950.55 3623513.47
** DESCRREC "School" ""
DISCCART 484579.93 3623462.53
DISCCART 484557.87 3623538.15
** DESCRREC "Resident" "Resident"
DISCCART 485278.63 3623652.36
DISCCART 485277.84 3623729.56
RE FINISHED
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
SURFFILE KVR_2014_2016_19191.SFC
PROFFILE KVR_2014_2016_19191.PFL
SURFDATA 93107 2014
UAIRDATA 3190 2014
SITEDATA 72293 2014
PROFBASE 440.0 FEET

```

```
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
** Auto-Generated Plotfiles
  PLOTFILE 1 ALL 1ST "SCRIPPS MERCY HRA_ACUTE_022321.AD\01H1GALL.PLT" 31
  SUMMFILE "Scripps Mercy HRA_Acute_022321.sum"
OU FINISHED
```

*** Message Summary For AERMOD Model Setup ***

----- Summary of Total Messages -----

```
A Total of          0 Fatal Error Message(s)
A Total of          1 Warning Message(s)
A Total of          0 Informational Message(s)
```

```
***** FATAL ERROR MESSAGES *****
*** NONE ***
```

```
***** WARNING MESSAGES *****
ME W187 98 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET
```

```
*****
*** SETUP Finishes Successfully ***
*****
```


*** AERMOD - VERSION 19191 *** *** Scripps Mercy Hospital Screening HRA
*** AERMET - VERSION 19191 *** ***

*** 02/23/21
*** 11:16:10
 PAGE 2

*** MODELOPTs: NonDEFAULT CONC FLAT URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA (METERS)		BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
SM_CONST	0	0.27823E-04	485024.6	3623593.3	134.1	5.00	18	1.16	YES	HROFDY

*** AERMOD - VERSION 19191 *** *** Scripps Mercy Hospital Screening HRA
*** AERMET - VERSION 19191 *** ***

*** 02/23/21
*** 11:16:10
PAGE 3

*** MODELOPTs: NonDEFAULT CONC FLAT URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

ALL SM_CONST ,

*** AERMOD - VERSION 19191 *** *** Scripps Mercy Hospital Screening HRA
*** AERMET - VERSION 19191 *** ***

*** 02/23/21
*** 11:16:10
 PAGE 4

*** MODELOPTs: NonDEFAULT CONC FLAT URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
	3338330.	SM_CONST ,

*** AERMOD - VERSION 19191 *** *** Scripps Mercy Hospital Screening HRA
*** AERMET - VERSION 19191 *** ***

*** 02/23/21
*** 11:16:10
 PAGE 5

*** MODELOPTs: NonDEFAULT CONC FLAT URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SOURCE ID = SM_CONST ; SOURCE TYPE = AREAPOLY :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** AERMOD - VERSION 19191 *** *** Scripps Mercy Hospital Screening HRA
*** AERMET - VERSION 19191 *** ***

*** 02/23/21
*** 11:16:10
PAGE 6

*** MODELOPTs: NonDEFAULT CONC FLAT URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(485057.1, 3623623.7,	134.1,	134.1,	0.0);	(485023.5, 3623554.4,	134.1,	134.1,	0.0);
(485087.6, 3623919.4,	134.1,	134.1,	0.0);	(485006.7, 3623952.5,	134.1,	134.1,	0.0);
(484927.4, 3623977.2,	134.1,	134.1,	0.0);	(484849.2, 3623872.1,	134.1,	134.1,	0.0);
(484779.9, 3623739.8,	134.1,	134.1,	0.0);	(484924.8, 3623536.6,	134.1,	134.1,	0.0);
(484950.5, 3623513.5,	134.1,	134.1,	0.0);	(484579.9, 3623462.5,	134.1,	134.1,	0.0);
(484557.9, 3623538.1,	134.1,	134.1,	0.0);	(485278.6, 3623652.4,	134.1,	134.1,	0.0);
(485277.8, 3623729.6,	134.1,	134.1,	0.0);				

*** AERMOD - VERSION 19191 *** *** Scripps Mercy Hospital Screening HRA *** 02/23/21
*** AERMET - VERSION 19191 *** *** *** 11:16:10
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*** MODELOPTs: NonDEFAULT CONC FLAT URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

NETWORK GROUP ID GRID-ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR	(XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE
ALL	HIGH	1ST HIGH VALUE IS	433.55739	ON 15012708: AT (484924.82, 3623536.57, 134.11, 134.11, 0.00)	DC

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

*** AERMOD - VERSION 19191 *** *** Scripps Mercy Hospital Screening HRA
*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: NonDEFAULT CONC FLAT URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 879 Informational Message(s)
A Total of 26304 Hours Were Processed
A Total of 788 Calm Hours Identified
A Total of 91 Missing Hours Identified (0.35 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W187 98 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***
