

Appendix 5.6-1 Greenhouse Gas Analysis

Appendices

This page intentionally left blank.



**Greenhouse Gas Analysis for the
Inland Valley Medical Center Project
Wildomar, California**

Prepared for
Universal Health Services, Inc.
367 South Gulph Road
King of Prussia, PA 19406
Attn: Mr. Loren Williams

Prepared by
RECON Environmental, Inc.
3111 Camino del Rio North, Suite 600
San Diego, CA 92108-5726
P 619.308.9333

RECON Number 9790
July 27, 2021

A handwritten signature in cursive script that reads "Jessica Fleming".

Jessica Fleming, Senior Air Quality Analyst

TABLE OF CONTENTS

Acronyms and Abbreviationsii

Executive Summary..... 1

1.0 Introduction 2

 1.1 Understanding Global Climate Change.....2

 1.2 Greenhouse Gases of Primary Concern2

2.0 Project Description 4

3.0 Existing Conditions..... 8

 3.1 Environmental Setting.....8

 3.2 Regulatory Background.....10

4.0 Significance Criteria and Analysis Methodologies..... 18

 4.1 Determining Significance.....18

 4.2 Calculation Methodology.....19

5.0 GHG Emission Calculations..... 26

6.0 GHG Impact Analysis 27

7.0 Conclusions 31

8.0 References Cited..... 32

FIGURES

1: Regional Location..... 5

2: Project Location on Aerial Photograph..... 6

3: Existing Site Plan 7

4: Proposed Site Plan 9

TABLES

1: Global Warming Potentials and Atmospheric Lifetimes 4

2: California GHG Emissions By Sector in 1990, 2010, and 2018.....10

3: City of Wildomar GHG Emissions in 2010.....10

4: Construction Phases and Equipment.....21

5: Construction GHG Emissions.....26

6: Summary of Project GHG Emissions26

7: Project Consistency with Connect SoCal Strategies29

ATTACHMENT

1: GHG Emission Calculations and CalEEMod Output

Acronyms and Abbreviations

AB	Assembly Bill
BAU	business as usual
CAFE	Corporate Average Fuel Economy
CalEEMod	California Emissions Estimator Model
CALGreen	California Green Building Standards Code
CalRecycle	California Department of Resources Recycling and Recovery
CAP	Climate Action Plan
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CBC	California Building Code
CEC	California Energy Commission
CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act
CH ₄	methane
City	City of Wildomar
CO ₂	carbon dioxide
EAP	Energy Action Plans
EO	Executive Order
EPA	Environmental Protection Agency
GHG	greenhouse gas
GWP	global warming potential
IPCC	Intergovernmental Panel on Climate Change
kW	kilowatts
MMT CO ₂ E	million metric tons carbon dioxide equivalent
MPF	Marijuana Production Facility
mpg	miles per gallon
MPO	Metropolitan Planning Organizations
MT CO ₂ E	metric tons of carbon dioxide equivalent
MWh	megawatt-hour
N ₂ O	nitrous oxide
PGA	priority growth area
Project	Inland Valley Medical Center
RPS	Renewables Portfolio Standard
RTA	Riverside Transit Agency
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
SB	Senate Bill
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
U.S. EPA	U.S. Environmental Protection Agency
WRCOG	Western Riverside Council of Governments

Executive Summary

The Inland Valley Medical Center Project (project) is located at 36485 Inland Valley Drive on a 22.25-acre site in Wildomar California. The Inland Valley Medical Center provides medical services, trauma surgery, intensive care, diagnostic imaging, rehabilitation, and other medical services. The project would expand the existing Inland Valley Medical Center with a new 100-bed, 232,000-square-foot addition to the hospital that includes expansion of all services and critical ancillary support, bringing the campus total to 202 beds and 298,925 square feet.

The City has not adopted greenhouse gas (GHG) emissions thresholds of significance for the California Environmental Quality Act (CEQA). This analysis evaluates the significance of the proposed project in accordance with CEQA and guidance from the South Coast Air Quality Management District (SCAQMD). This report evaluates the significance of the project in terms of (1) its contribution of GHGs to cumulative statewide emissions, and (2) whether the project would conflict with local and/or state regulations, plans, and policies adopted to reduce GHG emissions.

The significance of the project's GHG emissions was assessed based on screening levels recommended by the SCAQMD's Interim CEQA GHG Significance Thresholds (SCAQMD 2008). Consistent with the SCAQMD guidance, the recommended tiered approach for land use development projects in SCAQMD jurisdiction is assessment against the applicable screening levels. As the project is not exempt from CEQA and is not part of an approved local plan, project emissions are assessed against the stationary source 10,000 metric tons of carbon dioxide equivalent (MT CO₂E) screening level. This screening level is intended to exempt projects that are too small to have significant impacts from further analysis. This threshold is based on the concept of establishing a 90 percent GHG emission capture rate. Following rationale presented in the CAPCOA Guidance, the aggregate emissions from all projects with individual annual emissions that are equal to or less than the identified capture rate would not impede achievement of the state GHG emissions reduction targets codified by Assembly Bill 32 (2006) and Senate Bill 32 (2016), and impacts under CEQA would, therefore, be less than cumulatively considerable.

GHG emissions would result from construction and operation of the project. Construction activities emit GHGs primarily through the combustion of fuels in on- and off-road equipment and vehicles. Operational emissions include mobile, energy (electricity and natural gas), area (landscape maintenance equipment), water and wastewater, and solid waste sources, as well as stationary sources associated with the Central Utility Plant. As shown calculated in this analysis, the project would result in a net increase of 7,695 MT CO₂E per year. As project emissions would be less than the 10,000 MT CO₂E screening level, GHG emissions impacts would be less than significant. Additionally, the project would be consistent with applicable 2017 Scoping Plan and Connect SoCal measures, and is in line with the GHG reductions needed to achieve the 2050 GHG emission reduction targets identified by EO S-3-05. Therefore, GHG impacts would be less than significant.

1.0 Introduction

This report evaluates the greenhouse gas (GHG) emissions associated with the proposed Inland Valley Medical Center project (project). The purpose of this report is to evaluate project-related construction and operational emissions and determine the level of GHG impacts as a result of constructing and operating the project.

1.1 Understanding Global Climate Change

To evaluate the incremental effect of the project on statewide GHG emissions and global climate change, it is important to have a basic understanding of the nature of the global climate change problem. Global climate change is a change in the average weather of the earth, which can be measured by wind patterns, storms, precipitation, and temperature. The earth's climate is in a state of constant flux with periodic warming and cooling cycles. Extreme periods of cooling are termed "ice ages," which may then be followed by extended periods of warmth. For most of the earth's geologic history, these periods of warming and cooling have been the result of many complicated interacting natural factors that include volcanic eruptions that spew gases and particles (dust) into the atmosphere; the amount of water, vegetation, and ice covering the earth's surface; subtle changes in the earth's orbit; and the amount of energy released by the sun (sun cycles). However, since the beginning of the Industrial Revolution around 1750, the average temperature of the earth has been increasing at a rate that is faster than can be explained by natural climate cycles alone.

With the Industrial Revolution came an increase in the combustion of carbon-based fuels such as wood, coal, oil, natural gas, and biomass. Industrial processes have also created emissions of substances not found in nature. This in turn has led to a marked increase in the emissions of gases shown to influence the world's climate. These gases, termed "greenhouse" gases, influence the amount of heat trapped in the earth's atmosphere. Recently observed increased concentrations of GHGs in the atmosphere appear to be related to increases in human activity. Therefore, the current cycle of "global warming" is believed to be largely due to human activity. Of late, the issue of global warming or global climate change has arguably become the most important and widely debated environmental issue in the United States and the world. Because it is believed that the increased GHG concentrations around the world are related to human activity and the collective of human actions taking place throughout the world, it is quintessentially a global or cumulative issue.

1.2 Greenhouse Gases of Primary Concern

There are numerous GHGs, both naturally occurring and manmade. Each GHG has variable atmospheric lifetime and global warming potential (GWP). The atmospheric lifetime of the gas is the average time a molecule stays stable in the atmosphere. Most GHGs have long atmospheric lifetimes, staying in the atmosphere hundreds or thousands of years. GWP is a measure of the potential for a gas to trap heat and warm the atmosphere. Although GWP is related to its atmospheric lifetime, many other factors including chemical reactivity of the gas also influence GWP. GWP is reported as a unitless factor representing the potential for

the gas to affect global climate relative to the potential of carbon dioxide (CO₂). Because CO₂ is the reference gas for establishing GWP, by definition its GWP is 1. Although methane (CH₄) has a shorter atmospheric lifetime than CO₂, it has a 100-year GWP of 28; this means that CH₄ has 28 times more effect on global warming than CO₂ on a molecule-by-molecule basis.

The GWP is officially defined as (U.S. Environmental Protection Agency [U.S. EPA] 2010):

The cumulative radiative forcing—both direct and indirect effects—integrated over a period of time from the emission of a unit mass of gas relative to some reference gas.

GHG emissions estimates are typically represented in terms of equivalent metric tons of CO₂ (MT CO₂E). CO₂E emissions are the product of the amount of each gas by its GWP. The effects of several GHGs may be discussed in terms of MT CO₂E and can be summed to represent the total potential of these gases to warm the global climate. Table 1 summarizes some of the most common GHGs.

It should be noted that the U.S. EPA and other organizations update the GWP values they use occasionally. This change can be due to updated scientific estimates of the energy absorption or lifetime of the gases or to changing atmospheric concentrations of GHGs that result in a change in the energy absorption of one additional ton of a gas relative to another. The GWPs shown in Table 1 are the most current. However, it should be noted that in the California Emissions Estimator Model (CalEEMod), which is the model used in this analysis to calculate emission, CH₄ has a GWP of 25 and nitrous oxide (N₂O) has a GWP of 298, consistent with the Scoping Plan.

All of the gases in Table 1 are produced by both biogenic (natural) and anthropogenic (human) sources. These are the GHGs of primary concern in this analysis. CO₂ would be emitted by the project due to the combustion of fossil fuels in vehicles (including construction), from electricity generation and natural gas consumption, water use, and from solid waste disposal. Smaller amounts of CH₄ and N₂O would be emitted from the same project operations.

Table 1 Global Warming Potentials and Atmospheric Lifetimes (years)			
Gas	Atmospheric Lifetime (years)	100-year GWP	20-year GWP
Carbon dioxide (CO ₂)	50–200	1	1
Methane (CH ₄)	12.4	25/28*	84
Nitrous oxide (N ₂ O)	121	298/265*	264
HFC-23	222	12,400	10,800
HFC-32	5.2	677	2,430
HFC-125	28.2	3,170	6,090
HFC-134a	13.4	1,300	3,710
HFC-143a	47.1	4,800	6,940
HFC-152a	1.5	138	506
HFC-227ea	38.9	3,350	5,360
HFC-236fa	242	8,060	6,940
HFC-43-10mee	16.1	1,650	4,310
CF ₄	50,000	6,630	4,880
C ₂ F ₆	10,000	11,100	8,210
C ₃ F ₈	2,600	8,900	6,640
C ₄ F ₁₀	2,600	9,200	6,870
c-C ₄ F ₈	3,200	9,540	7,110
C ₅ F ₁₂	4,100	8,550	6,350
C ₆ F ₁₄	3,100	7,910	5,890
SF ₆	3,200	23,500	17,500

SOURCE: Intergovernmental Panel on Climate Change (IPCC) 2007, 2014.
 GWP = growth warming potential
 *The CH₄ and N₂O 100-year GWPs included in CalEEMod are 25 and 298, respectively, from the IPCC Fourth Assessment Report. All other values are from the current Fifth Assessment Report.

2.0 Project Description

The Inland Valley Medical Center is located at 36485 Inland Valley Drive on a 22.25-acre site in Wildomar California. The north site boundary is a well-preserved natural ravine and the east edge is Inland Valley Drive, which provides access to the campus. The west and south site edges are bounded by Interstate 15. The Inland Valley Medical Center provides medical services, trauma surgery, intensive care, diagnostic imaging, rehabilitation, and other medical services. The existing buildings include several one- and two-story structures: Buildings A, B-H, C, I, a Central Utility Plant, and an Administration building. Buildings A and I house patient rooms and Buildings B-H house the diagnostic and treatment areas. The Administration building houses non-clinical functions. Figure 1 shows the regional location and Figure 2 shows an aerial photograph of the project site and vicinity. Figure 3 shows the existing site plan.




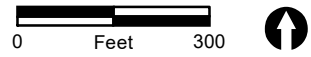
 Project Location

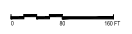
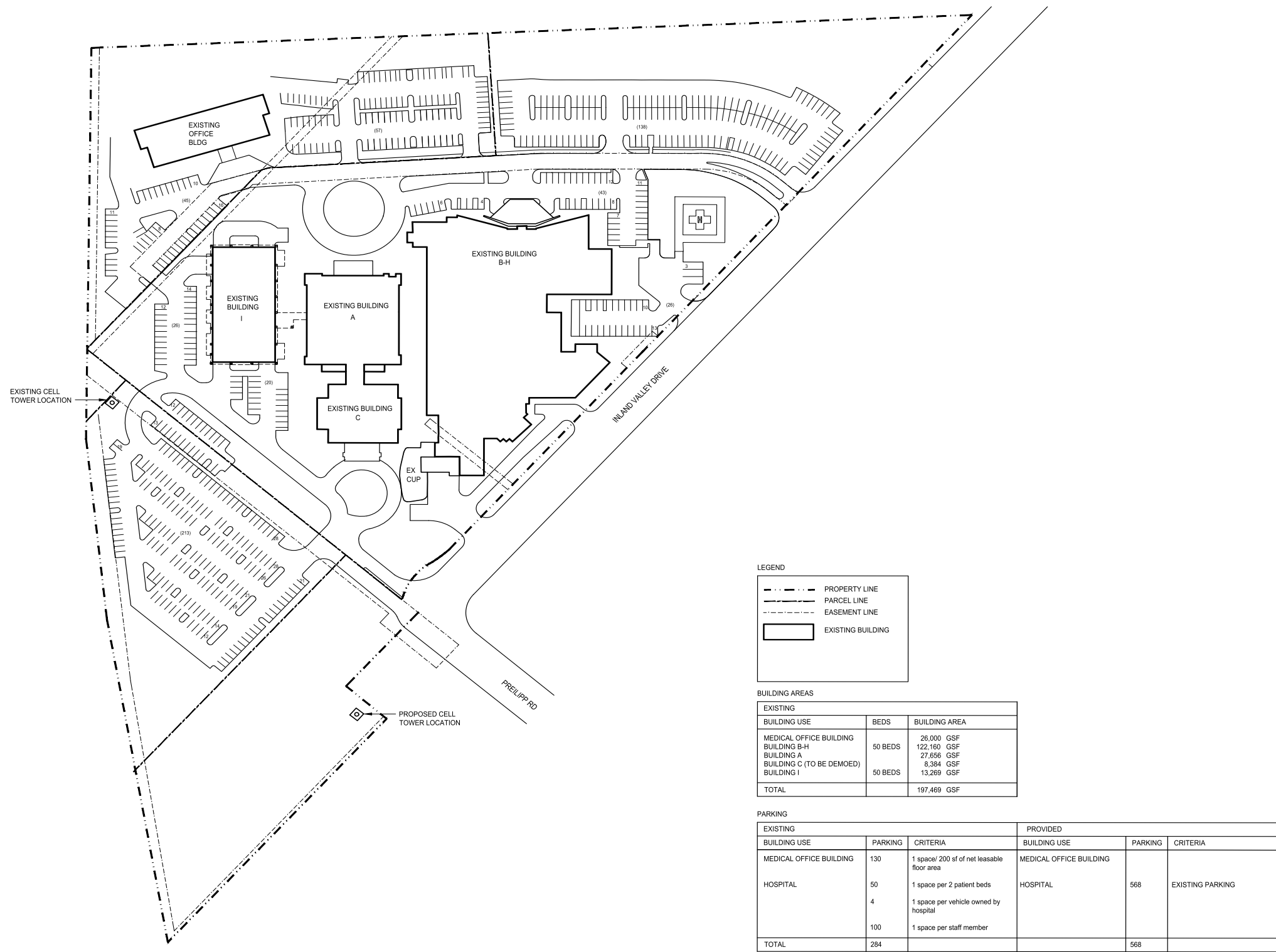
FIGURE 1
Regional Location



 Project Boundary

FIGURE 2

Project Location on Aerial Photograph



This project would expand the existing Inland Valley Medical Center with a new 100-bed, 232,000-square-foot addition to the hospital that includes expansion of all services and critical ancillary support, bringing the campus total to 202 beds and 298,925 square feet.

Demolition of existing Building C would allow for the construction of a seven-story, 232,000-square-foot new tower. The podium area of the new tower would connect to existing Buildings I and A, unifying the hospital campus. The ground level would contain the emergency department with direct entry/access for walk-in patients and ambulance, with operating rooms on the second floor above. The bed tower would be above the podium and centered on axis with Building A. The new tower would be placed to allow for the existing hospital Buildings B-H, and the existing Central Utility Plant, to remain operational during construction.

Modifications to Building I, which currently houses patient rooms on the second floor over open parking stalls, would enclose the first floor for a new loading dock and materials management department.

Modifications to Building A, which currently houses patient rooms on the second floor, include a new main entry canopy and lobby renovation, which would be the new front door to the medical center; a connecting corridor that links the new entry with public elevators in the new tower; and renovation of spaces for relocated departments once the new hospital is completed.

A new Central Utility Plant would serve the new tower and backfeed existing Buildings I and A that are to remain. The project would conclude with demolition of existing hospital Buildings B-H and the creation of new surface parking lots.

Figure 4 shows the proposed site plan.

3.0 Existing Conditions

3.1 Environmental Setting

3.1.1 State and Regional GHG Inventories

The California Air Resources Board (CARB) performs statewide GHG inventories. The inventory is divided into nine broad sectors of economic activity: agriculture, commercial, electricity generation, forestry, high GWP emitters, industrial, recycling and waste, residential, and transportation. Emissions are quantified in million metric tons of CO₂ equivalent (MMT CO₂E). Table 2 shows the estimated statewide GHG emissions for the years 1990, 2010, and 2018. Although annual GHG inventory data is available for years 2000 through 2018, the years 1990, 2010, and 2018 are highlighted in Table 2 because 1990 is the baseline year for established reduction targets, 2010 corresponds to the same years for which inventory data for the City is available, and 2018 is the most recent data available.

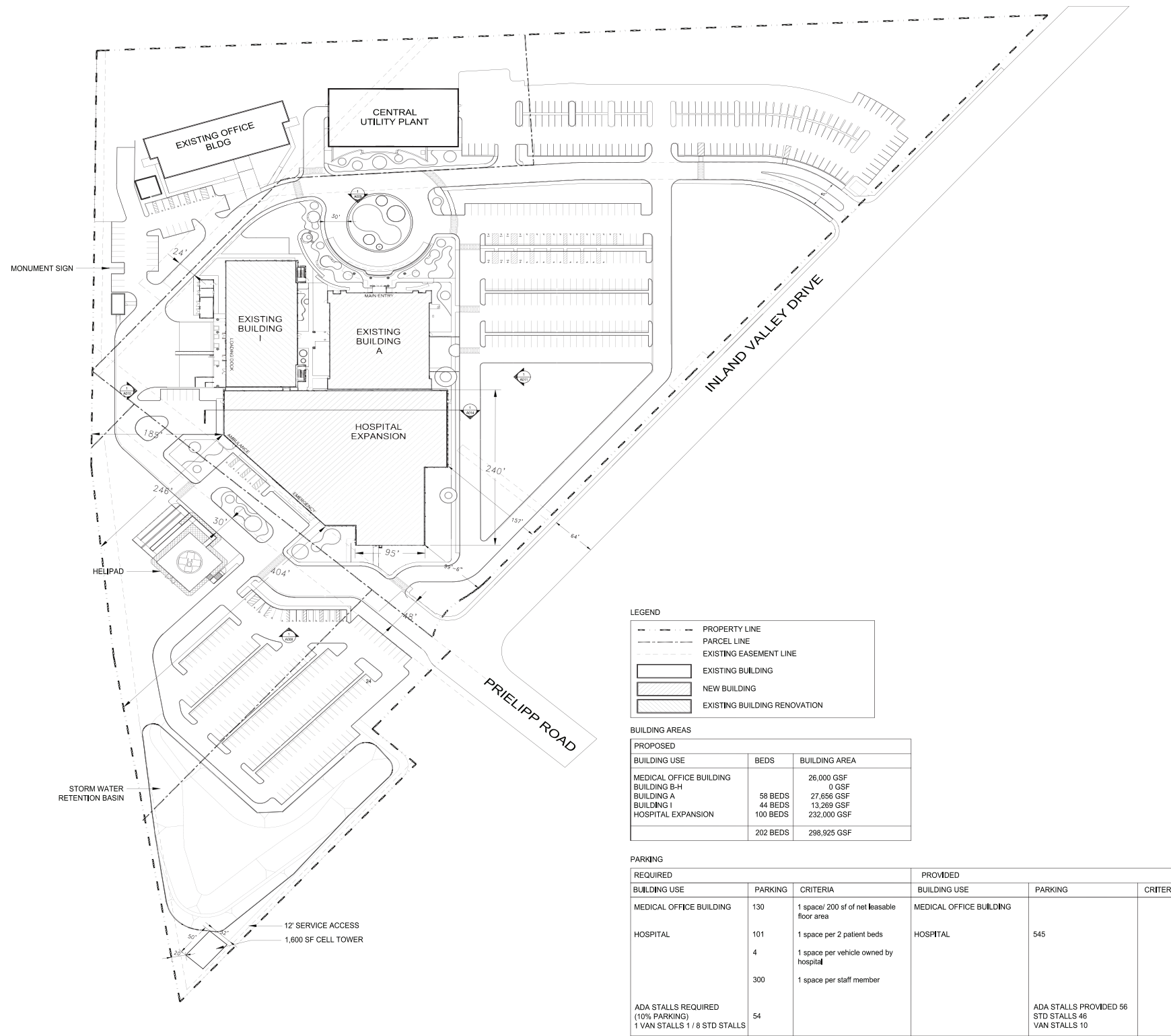


Table 2 California GHG Emissions By Sector in 1990, 2010, and 2018			
Sector	1990¹ Emissions in MMT CO₂E (% total)²	2010³ Emissions in MMT CO₂E (% total)²	2018³ Emissions in MMT CO₂E (% total)²
Electricity Generation	110.5 (25.7%)	90.5 (20.2%)	63.3 (14.9%)
Transportation	150.6 (35.0%)	170.2 (38.0%)	173.8 (40.9%)
Industrial	105.3 (24.4%)	101.6 (22.7%)	101.3 (23.8%)
Commercial	14.4 (3.4%)	20.1 (4.5%)	23.9 (5.6%)
Residential	29.7 (6.9%)	32.1 (7.2%)	30.5 (7.2%)
Agriculture & Forestry	18.9 (4.4%)	33.7 (7.5%)	32.6 (7.7%)
Not Specified	1.3 (0.3%)	--	--
Total⁴	430.7	448.2	425.3

SOURCE: CARB 2007 and 2020.
¹1990 data was obtained from the CARB 2007 source and are based on IPCC fourth assessment report GWPs.
²Percentages may not total 100 due to rounding.
³2010 and 2018 data was retrieved from the CARB 2020 source and are based on IPCC fourth assessment report GWPs.
⁴Totals may vary due to independent rounding.

As shown in Table 2, statewide GHG source emissions totaled approximately 431 MMT CO₂E in 1990, 448 MMT CO₂E in 2010, and 425 MMT CO₂E in 2018. Many factors affect year-to-year changes in GHG emissions, including economic activity, demographic influences, environmental conditions such as drought, and the impact of regulatory efforts to control GHG emissions. As shown, transportation-related emissions consistently contribute to the most GHG emissions.

A City of Wildomar emissions inventory was prepared for baseline year 2010. The total community-wide GHG emissions in 2010 were 176,046 MT CO₂E. Table 3 summarizes the sources and quantities of community emissions. The largest source of emissions is transportation.

Table 3 City of Wildomar GHG Emissions in 2010	
Sector	2010 GHG Emissions (MT CO₂E)
Residential Energy and Water Use	47,173 (27%)
Commercial/Industrial Energy and Water Use	14,379 (8%)
Transportation	111,119 (63%)
Waste Generation	3,375 (2%)
Total	176,046

SOURCE: Western Riverside Council of Governments 2010.

3.2 Regulatory Background

In response to rising concern associated with increasing GHG emissions and global climate change impacts, several plans and regulations have been adopted at the international, national, and state levels with the aim of reducing GHG emissions. The following is a discussion of the federal, state, and local plans and regulations most applicable to the project.

3.2.1 Federal

The federal government, U.S. EPA, and other federal agencies have many federal level programs and projects to reduce GHG emissions. In June 2012, the Council on Environmental Quality (CEQ) revised the Federal Greenhouse Gas Accounting and Reporting Guidance originally issued in October 2010. The CEQ guidance identifies ways in which federal agencies can improve consideration of GHG emissions and climate change for federal actions. The guidance states that National Environmental Policy Act documents should provide decision makers with relevant and timely information and should consider (1) GHG emissions of a Proposed Action and alternative actions and (2) the relationship of climate change effects to a Proposed Action or alternatives. Specifically, if a Proposed Action would be reasonably anticipated to cause direct emissions of 25,000 MT CO₂E GHG emissions on an annual basis, agencies should consider this as an indicator that a quantitative assessment may be meaningful to decision makers and the public (CEQ 2012).

3.2.1.1 U.S. Environmental Protection Agency

In 2009, the U.S. EPA issued its science-based finding that the buildup of heat-trapping GHGs in the atmosphere endangers public health and welfare. The “Endangerment Finding” reflects the overwhelming scientific evidence on the causes and impacts of climate change. It was made after a thorough rulemaking process considering thousands of public comments, and was upheld by the federal courts.

The U.S. EPA has many federal level programs and projects to reduce GHG emissions. The U.S. EPA provides technical expertise and encourages voluntary reductions from the private sector. One of the voluntary programs applicable to the project is the Energy Star program. Energy Star products such as appliances, building products, heating and cooling equipment, and other energy-efficient equipment will be utilized by the project.

Energy Star is a joint program of U.S. EPA and the U.S. Department of Energy, which promotes energy-efficient products and practices. Tools and initiatives include the Energy Star Portfolio Manager, which helps track and assess energy and water consumption across an entire portfolio of buildings, and the Energy Star Most Efficient 2020, which provides information on exceptional products which represent the leading edge in energy-efficient products in the year 2020 (U.S. EPA 2020a).

The U.S. EPA also collaborates with the public sector, including states, tribes, localities and resource managers, to encourage smart growth, sustainability preparation, and renewable energy and climate change preparation. These initiatives include the Clean Energy – Environment State Partnership Program, the Climate Ready Water Utilities Initiative, the Climate Ready Estuaries Program, and the Sustainable Communities Partnership (U.S. EPA 2020b).

3.2.1.2 Corporate Average Fuel Economy Standards

The project would generate vehicle trips. These vehicles would consume fuel and would result in GHG emissions. The federal Corporate Average Fuel Economy (CAFE) standards determine the fuel efficiency of certain vehicle classes in the U.S. The first phase of the program applied to passenger cars, new light-duty trucks, and medium-duty passenger cars with model years 2012 through 2016, and required these vehicles to achieve a standard equivalent to 35.5 miles per gallon (mpg). The second phase of the program applies to model years 2017 through 2025 and increased the standards to 54.5 mpg. Separate standards were also established for medium- and heavy-duty vehicles. The first phase applied to model years 2014 through 2018 and the second phase applies to model years 2018 through 2027. With improved gas mileage, fewer gallons of transportation fuel would be combusted to travel the same distance, thereby reducing nationwide GHG emissions associated with vehicle travel.

3.2.2 State

The State of California has adopted a number of plans and regulations aimed at identifying statewide and regional GHG emissions caps, GHG emissions reduction targets, and actions and timelines to achieve the target GHG reductions.

3.2.2.1 Executive Orders and Statewide GHG Emission Targets

Executive Order S-3-05

This Executive Order (EO) established the following GHG emission reduction targets for the State of California:

- by 2010, reduce GHG emissions to 2000 levels;
- by 2020, reduce GHG emissions to 1990 levels;
- by 2050, reduce GHG emissions to 80 percent below 1990 levels.

This EO also directs the secretary of the California Environmental Protection Agency to oversee the efforts made to reach these targets, and to prepare biannual reports on the progress made toward meeting the targets and on the impacts to California related to global warming, including impacts to water supply, public health, agriculture, the coastline, and forestry. With regard to impacts, the report shall also prepare and report on mitigation and adaptation plans to combat the impacts. The first Climate Action Team Assessment Report was produced in March 2006, and has since been updated every two years.

Executive Order B-30-15

This EO, issued on April 29, 2015, establishes an interim GHG emission reduction goal for the state of California by 2030 of 40 percent below 1990 levels. This EO also directed all state agencies with jurisdiction over GHG emitting sources to implement measures designed to achieve the new interim 2030 goal, as well as the pre-existing, long-term 2050 goal identified

in EO S-3-05. Additionally, this EO directed CARB to update its Climate Change Scoping Plan to address the 2030 goal.

3.2.2.2 California Global Warming Solutions Act

In response to EO S-3-05, the California Legislature passed AB 32, the California Global Warming Solutions Act of 2006, and thereby enacted Sections 38500–38599 of the California Health and Safety Code. The heart of AB 32 is its requirement that CARB establish an emissions cap and adopt rules and regulations that would reduce GHG emissions to 1990 levels by 2020. AB 32 also required CARB to adopt a plan by January 1, 2009 indicating how emission reductions would be achieved from significant GHG sources via regulations, market mechanisms, and other actions.

In 2008, CARB estimated that annual statewide GHG emissions were 427 MMT CO₂E in 1990 and would reach 596 MMT CO₂E by 2020 under a business as usual (BAU) condition (CARB 2008). To achieve the mandate of AB 32, CARB determined that a 169 MMTCO₂E (or approximate 28.5 percent) reduction in BAU emissions was needed by 2020. In 2010, CARB prepared an updated 2020 forecast to account for the recession and slower forecasted growth. CARB determined that the economic downturn reduced the 2020 BAU by 55 MMT CO₂E; as a result, achieving the 1990 emissions level by 2020 would require a reduction in GHG emissions of 21.7 (not 28.5) percent from the 2020 BAU. California has been on track to achieve 1990 levels, and based on the GHG inventories shown in Table 2, has achieved the goal.

Approved in September 2016, Senate Bill (SB) 32 updates the California Global Warming Solutions Act of 2006 and enacts EO B-30-15. Under SB 32, the state would reduce its GHG emissions to 40 percent below 1990 levels by 2030. This is equivalent to an emissions level of approximately 260 MMT CO₂E for 2030. In implementing the 40 percent reduction goal, CARB is required to prioritize emissions reductions to consider the social costs of the emissions of GHGs; where “social costs” is defined as “an estimate of the economic damages, including, but not limited to, changes in net agricultural productivity; impacts to public health; climate adaptation impacts, such as property damages from increased flood risk; and changes in energy system costs, per metric ton of greenhouse gas emission per year.”

3.2.2.3 Climate Change Scoping Plan

As directed by the California Global Warming Solutions Act of 2006, in 2008, CARB adopted the *Climate Change Scoping Plan: A Framework for Change (Scoping Plan)*, which identifies the main strategies California will implement to achieve the GHG reductions necessary to reduce forecasted business as usual (BAU) emissions in 2020 to the state’s historic 1990 emissions level (CARB 2008). In November 2017, CARB released the 2017 Climate Change Scoping Plan Update, the Strategy for Achieving California’s 2030 Greenhouse Gas Target (2017 Scoping Plan; CARB 2017a). The 2017 Scoping Plan identifies state strategies for achieving the state’s 2030 interim GHG emissions reduction target codified by SB 32. Measures under the 2017 Scoping Plan Scenario build on existing programs such as the Low Carbon Fuel Standard, Advanced Clean Cars Program, Renewables Portfolio Standard (RPS), Sustainable Communities Strategy, Short-Lived Climate Pollutant Reduction

Strategy, and the Cap-and-Trade Program. Additionally, the 2017 Scoping Plan proposes new policies to address GHG emissions from natural and working lands.

3.2.2.4 Regional Emissions Targets – Senate Bill 375

SB 375, the 2008 Sustainable Communities and Climate Protection Act, was signed into law in September 2008 and requires CARB to set regional targets for reducing passenger vehicle GHG emissions in accordance with the Scoping Plan. The purpose of SB 375 is to align regional transportation planning efforts, regional GHG reduction targets, and fair-share housing allocations under state housing law. SB 375 requires Metropolitan Planning Organizations (MPOs) to adopt a Sustainable Communities Strategy or Alternative Planning Strategy to address GHG reduction targets from cars and light-duty trucks in the context of that MPO's Regional Transportation Plan. Southern California Association of Governments (SCAG) is the region's MPO. In 2018, CARB set targets for the SCAG region of an 8 percent reduction in GHG emissions per capita from automobiles and light-duty trucks compared to 2005 levels by 2020 and a 19 percent reduction by 2035. These targets are periodically reviewed and updated.

3.2.2.5 Renewables Portfolio Standard (RPS)

The RPS promotes diversification of the state's electricity supply and decreased reliance on fossil fuel energy sources. Renewable energy includes (but is not limited to) wind, solar, geothermal, small hydroelectric, biomass, anaerobic digestion, and landfill gas. Originally adopted in 2002 with a goal to achieve a 20 percent renewable energy mix by 2020 (referred to as the "Initial RPS"), the goal has been accelerated and increased by EOs S-14-08 and S-21-09 to a goal of 33 percent by 2020. In April 2011, SB 2 (1X) codified California's 33 percent RPS goal. SB 350 (2015) increased California's renewable energy mix goal to 50 percent by year 2030. SB 100 (2018) further increased the standard set by SB 350 establishing the RPS goal of 44 percent by the end of 2024, 52 percent by the end of 2027, and 60 percent by 2030.

3.2.2.6 Assembly Bill 341 – Solid Waste Diversion

The Commercial Recycling Requirements mandate that businesses (including public entities) that generate 4 cubic yards or more of commercial solid waste per week and multi-family residential with five units or more arrange for recycling services. Businesses can take one or any combination of the following in order to reuse, recycle, compost, or otherwise divert solid waste from disposal. Additionally, Assembly Bill (AB) 341 mandates that 75 percent of the solid waste generated be reduced, recycled, or composted by 2020.

3.2.2.7 California Code of Regulations, Title 24 – California Building Code

The California Code of Regulations, Title 24, is referred to as the California Building Code, or CBC. It consists of a compilation of several distinct standards and codes related to building construction, including plumbing, electrical, interior acoustics, energy efficiency, handicap

accessibility, and so on. Of particular relevance to GHG reductions are the CBC's energy efficiency and green building standards as outlined below.

a. Title 24, Part 6 – Energy Efficiency Standards

The California Code of Regulations, Title 24, Part 6 is the California Energy Efficiency Standards for Residential and Nonresidential Buildings (also known as the California Energy Code). This code, originally enacted in 1978, establishes energy-efficiency standards for residential and non-residential buildings in order to reduce California's energy consumption. The Energy Code is updated periodically to incorporate and consider new energy-efficient technologies and methodologies as they become available, and incentives in the form of rebates and tax breaks are provided on a sliding scale for buildings achieving energy efficiency above the minimum standards.

The current version of the Energy Code, known as 2019 Title 24, or the 2019 Energy Code, became effective January 1, 2020. The Energy Code provides mandatory energy-efficiency measures as well as voluntary tiers for increased energy efficiency. The California Energy Commission (CEC), in conjunction with the California Public Utilities Commission, has adopted a goal that all new residential and commercial construction achieve zero net energy by 2020 and 2030, respectively. It is expected that achievement of the zero net energy goal will occur via revisions to the Title 24 standards.

The 2019 Energy Code standards now apply to healthcare buildings such as the proposed project. New construction and major renovations must demonstrate their compliance with the current Energy Code through submission and approval of a Title 24 Compliance Report to the local building permit review authority and the CEC. The compliance reports must demonstrate a building's energy performance through use of CEC approved energy performance software that shows iterative increases in energy efficiency given the selection of various heating, ventilation, and air conditioning; sealing; glazing; insulation; and other components related to the building envelope. The CEC estimates that non-residential buildings will use 30 percent less energy through implementation of the 2019 Energy Code, mainly due to lighting upgrades.

b. Title 24, Part 11 – California Green Building Standards

The California Green Building Standards Code, referred to as CALGreen, was added to Title 24 as Part 11 first in 2009 as a voluntary code, which then became mandatory effective January 1, 2011 (as part of the 2010 CBC). The most recent 2019 CALGreen institutes mandatory minimum environmental performance standards for all ground-up new construction of non-residential and residential structures. Local jurisdictions must enforce the minimum mandatory Green Building Standards and may adopt additional amendments for stricter requirements.

The mandatory standards require:

- Outdoor water use requirements as outlined in local water efficient landscaping ordinances or current Model Water Efficient Landscape Ordinance standards, whichever is more stringent;
- Requirements for water conserving plumbing fixtures and fittings;
- 65 percent construction/demolition waste diverted from landfills;
- Infrastructure requirements for electric vehicle charging stations;
- Mandatory inspections of energy systems to ensure optimal working efficiency; and
- Requirements for low-pollutant emitting exterior and interior finish materials such as paints, carpets, vinyl flooring, and particleboards.

Similar to the reporting procedure for demonstrating Energy Code compliance in new buildings and major renovations, compliance with the CALGreen mandatory requirements must be demonstrated through completion of compliance forms and worksheets.

3.2.3 Local

3.2.3.1 South Coast Air Quality Management District

The South Coast Air Quality Management District (SCAQMD) is the agency responsible for air quality planning and regulation in the South Coast Air Basin. The SCAQMD addresses the impacts to climate change of projects subject to SCAQMD permit as a lead agency if they are the only agency having discretionary approval for the project and acts as a responsible agency when a land use agency must also approve discretionary permits for the project. The SCAQMD acts as an expert commenting agency for impacts to air quality. This expertise carries over to GHG emissions, so the agency helps local land use agencies through the development of models and emission thresholds that can be used to address GHG emissions.

In 2008, SCAQMD formed a Working Group to identify GHG emissions thresholds for land use projects that could be used by local lead agencies in the South Coast Air Basin. The Working Group developed several different options that are contained in the SCAQMD Draft Guidance Document – *Interim CEQA GHG Significance Thresholds for Stationary Sources, Rules, and Plans*, that could be applied by lead agencies. The working group met again in 2010 to review the guidance. The SCAQMD Board has not approved the thresholds; however, the Guidance Document provides substantial evidence supporting the approaches to significance of GHG emissions that can be considered by the lead agency in adopting its own threshold. The current interim thresholds consist of the following tiered approach (SCAQMD 2008, 2010):

- Tier 1 – The project is exempt from the California Environmental Quality Act (CEQA).
- Tier 2 – The project is consistent with an applicable regional GHG emissions reduction plan. If a project is consistent with a qualifying local GHG reduction plan, it does not have significant GHG emissions.

- Tier 3 – Project GHG emissions represent an incremental increase below or mitigated to less than Significance Screening Levels, where
 - Residential/Commercial Screening Level
 - Option 1: 3,000 MT CO₂E screening level for all residential/commercial land uses
 - Option 2: Screening level thresholds for land use type acceptable if used consistently by a lead agency:
 - Residential: 3,500 MT CO₂E
 - Commercial: 1,400 MT CO₂E
 - Mixed-Use: 3,000 MT CO₂E
 - 10,000 MT CO₂E is the Permitted Industrial Screening Level
- Tier 4 – The project achieves performance standards, where performance standards may include:
 - Option 1: Percent emission reduction target. SCAQMD has no recommendation regarding this approach at this time.
 - Option 2: The project would implement substantial early implementation of measures identified in the CARB’s Scoping Plan. This option has been folded into Option 3.
 - Option 3: SCAQMD Efficiency Targets.
 - 2020 Targets: 4.8 MT CO₂E per service population (SP) for project-level analyses or 6.6 MT CO₂E per SP for plan level analyses where service population includes residential and employment populations provided by a project.
 - 2035 Targets: 3.0 MT CO₂E per SP for project-level analyses or 4.1 MT CO₂E per SP for plan level analyses.
- Tier 5 – Offsets along or in combination with the above target Significance Screening Level. Offsets must be provided for a 30-year project life, unless the project life is limited by permit, lease, or other legally binding condition.

If a project complies with any one of these tiers, its impacts related to GHG emissions would be considered less than significant.

The SCAQMD’s interim thresholds used the Executive Order S-3-05 year 2050 goal as the basis for the Tier 3 screening level. Achieving the EO’s objective would contribute to worldwide efforts to cap CO₂ concentrations at 450 parts per million, thus stabilizing global climate.

SCAQMD only has authority over GHG emissions from development projects that include air quality permits. At this time, it is unknown if the project would include stationary sources of emissions subject to SCAQMD permits. Notwithstanding, if the project requires a stationary permit, it would be subject to the applicable SCAQMD regulations.

SCAQMD Regulation XXVII, adopted in 2009 includes the following rules:

- Rule 2700 defines terms and post global warming potentials.
- Rule 2701, SoCal Climate Solutions Exchange, establishes a voluntary program to encourage, quantify, and certify voluntary, high quality certified GHG emission reductions in the SCAQMD.
- Rule 2702, GHG Reduction Program created a program to produce GHG emission reductions within the SCAQMD. The SCAQMD will fund projects through contracts in response to requests for proposals or purchase reductions from other parties.

3.2.3.2 Southern California Association of Governments

In September 2020, SCAG adopted Connect SoCal, the 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS). The Connect SoCal plan identifies that land use strategies that focus on new housing and job growth in areas with a variety of destinations and mobility options would support and complement the proposed transportation network. The overarching strategy in Connect SoCal is to provide for a plan that allows the southern California region to grow in more compact communities in transit priority areas and priority growth areas; provide neighborhoods with efficient and plentiful public transit; establish abundant and safe opportunities to walk, bike, and pursue other forms of active transportation; and preserve more of the region's remaining natural lands and farmlands (SCAG 2020). The Connect SoCal plan contains transportation projects to help more efficiently distribute population, housing, and employment growth as well as projected development that promotes active transport and reduces GHG emissions.

3.2.3.3 Western Riverside Council of Governments

The City is a participant in the Western Riverside Council of Government's (WRCOG) Subregional Climate Action Plan (CAP) (WRCOG 2014). The Subregional CAP includes strategies to help the region achieve GHG emissions reduction goals along with other economic and environmental benefits. The CAP contains GHG reduction measures related to energy, transportation and land use, solid waste, and water. The CAP establishes a community-wide emissions reduction target of 15 percent below 2010 emission levels, following guidance from CARB and the Governor's Office of Planning and Research. The CAP does not establish a reduction target for year 2035 or future years; however, the CAP identifies a reduction goal of 49 percent below baseline (2010) emissions levels to set the WRCOG subregion on a trajectory to meet targets identified in SB 375 and EO 2-3-05.

4.0 Significance Criteria and Analysis Methodologies

4.1 Determining Significance

Based on the CEQA Guidelines Appendix G, impacts related to GHG emissions would be significant if the project would:

1. Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment; or
2. Conflict with the City's CAP or an applicable plan, policy, or regulation adopted for the purpose of reducing the emission of GHGs.

The CEQA Guidelines allow lead agencies to establish significance thresholds for their respective jurisdictions. These significance thresholds may be adopted after considering thresholds of significance adopted or recommended by other public agencies or experts.

The City has not adopted its own GHG Thresholds of Significance for CEQA. The SCAQMD published its *Interim CEQA GHG Significance Thresholds for Stationary Sources, Rules, and Plans* in 2008 (SCAQMD 2008, 2010). The interim thresholds are a tiered approach; projects may be determined to be less than significant under each tier or require further analysis under subsequent tiers. The five tiers are discussed in Section 3.2.3.1.

Consistent with the SCAQMD guidance, the recommended tiered approach for land use development projects in SCAQMD jurisdiction is assessment against the applicable screening levels. The main source of emissions associated with the project would be the permitted stationary sources associated with the Central Utility Plant. Therefore, the SCAQMD screening threshold of 10,000 MT CO₂E for permitted industrial uses was used. This screening level is intended to exempt projects that are too small to have significant impacts from further analysis. For projects including a stationary source, emissions calculations must also include construction emissions and operational emissions associated with mobile sources, electricity use, water delivery, and other non-stationary sources associated with the facility to ensure all GHG emissions are included in the evaluation. Therefore, emissions from all construction and operational sources were calculated and compared to the screening threshold.

4.2 Calculation Methodology

The project's GHG emissions were calculated using the CalEEMod Version 2016.3.2 (California Air Pollution Control Officers Association [CAPCOA] 2017). The CalEEMod program is a tool used to estimate air emissions resulting from land development projects based on California-specific emission factors. CalEEMod can be used to calculate emissions from mobile (on-road vehicles), area (fireplaces, consumer products [cleansers, aerosols, and solvents], landscape maintenance equipment, architectural coatings), water and wastewater, and solid waste sources. GHG emissions are estimated in terms of total MT CO₂E.

The analysis methodology and input data are described in the following sections. Where project-specific data was not available, model inputs were based on information provided in the CalEEMod User's Guide (CAPCOA 2017). Operational emissions were calculated for the projected soonest project operational year of 2026. A portion of the existing hospital would be demolished as a part of the project, and GHG emissions associated with this portion of the existing hospital would no longer be emitted. To determine the project's net increase in GHG emissions, emissions associated with this portion of the hospital were subtracted from the GHG emissions associated with the new construction.

4.2.1 Construction Emissions

Construction activities emit GHGs primarily through combustion of fuels (mostly diesel) in the engines of off-road construction equipment and through combustion of diesel and gasoline in on-road construction vehicles and the commute vehicles of the construction workers. Smaller amounts of GHGs are also emitted through the energy use embodied in water use for fugitive dust control.

Every phase of the construction process, including demolition, grading, paving, and building, emits GHGs in volumes directly related to the quantity and type of construction equipment used when building the project. GHG emissions associated with each phase of project construction are calculated by multiplying the total fuel consumed by the construction equipment and worker trips by applicable emission factors. The number and pieces of construction equipment are calculated based on the project-specific design. In the absence of project-specific construction information, equipment for all phases of construction is estimated based on the project size.

Standard construction equipment includes dozers, rollers, scrapers, backhoes, loaders, paving equipment, delivery/haul trucks, jacking equipment, welding machines, and so on. Duration of each individual construction phase was based on a construction schedule that is anticipated to last approximately five years. Specific equipment parameters are not available at this time. However, CalEEMod can estimate the required construction equipment when project-specific information is unavailable. The construction equipment estimates are based on surveys of typical construction projects performed by the SCAQMD and the Sacramento Metropolitan Air Quality Management District that provide a basis for scaling equipment needs and schedule with a project's size. CalEEMod default construction equipment was modeled for each phase with the exception of the remodeling/renovation phases. For these phases, cranes and heavy tractors were removed. Construction activities would also include the demolition of Building C (12,800 square feet) and Buildings H through I (95,000 square feet). An additional 40,000 square feet of building demolition was modeled to account for hauling of remodeling/renovation debris. Additionally, project earthwork would consist of a net export of approximately 1,200 cubic yards of soil.

Table 4 summarizes the anticipated construction schedule, phases, and duration, as well as the modeled construction equipment.

Table 4 Construction Phases and Equipment		
Equipment	Quantity	Daily Operation Time (Hours)
Building A Remodel for Building C Relocation March 30, 2021 – September 24 2021 (129 days)		
Forklift	3	8
Generator Set	1	8
Welder	1	8
Central Utility Plant Site Clearing February 23, 2022 – March 24, 2022 (22 days)		
Rubber Tired Dozer	1	8
Tractor/Loader/Backhoe	1	8
Central Utility Plant Construction March 25, 2022 – May 8, 2023 (292 days)		
Crane	1	7
Forklift	3	8
Generator Set	1	8
Tractor/Loader/Backhoe	3	7
Welder	1	8
Building I Renovation April 23, 2022 – November 28, 2022 (164 days)		
Forklift	3	8
Generator Set	1	8
Welder	1	8
Building C Demolition November 1, 2021 – March 10, 2022 (94 days)		
Concrete/Industrial Saw	1	8
Excavators	3	8
Rubber Tired Dozers	2	8
New Tower Site Preparation March 11, 2022 – March 31, 2022 (15 days)		
Rubber Tired Dozer	3	8
Tractor/Loader/Backhoe	4	8
New Tower Grading April 1, 2022 – May 12, 2022 (30 days)		
Excavator	1	8
Grader	1	8
Rubber Tired Dozer	1	8
Tractor/Loader/Backhoe	3	8
New Tower Construction May 19, 2022 – August 9, 2024 (582 days)		
Crane	1	7
Forklifts	3	8
Generator Set	1	8
Tractors/Loaders/Backhoes	3	7
Welder	1	8
New Tower Architectural Coatings April 14, 2023 – August 9, 2024 (84 days)		
Air Compressor	1	8

Table 4 Construction Phases and Equipment		
Equipment	Quantity	Daily Operation Time (Hours)
Building A Canopy February 27, 2023 – September 20, 2023 (148 days)		
Crane	1	7
Forklifts	3	8
Generator Set	1	8
Tractors/Loaders/Backhoes	3	7
Welder	1	8
Building A Renovations February 27, 2023 – September 20, 2023 (148 days)		
Forklifts	1	8
Generator Set	1	8
Welder	1	8
Building A Construction – Post Occupancy May 29, 2025 – September 19, 2025 (82 days)		
Forklifts	3	8
Generator Set	1	8
Welder	1	8
Buildings B-H Demolition June 6, 2025 – December 12, 2025 (136 days)		
Concrete/Industrial Saw	1	8
Excavators	3	8
Rubber Tired Dozers	2	8
South Parking Lot October 4, 2024 – January 30, 2025 (85 days)		
Paver	2	8
Paving Equipment	2	8
Roller	2	8
East Parking Lot December 15, 2025 – April 21, 2026 (92 days)		
Paver	2	8
Paving Equipment	2	8
Roller	2	8
NOTE: Each phase would also include vehicles associated with work commutes, dump trucks for hauling, and trucks for deliveries.		

Based on guidance from the SCAQMD, total construction GHG emissions resulting from a project should be amortized over 30 years and added to operational GHG emissions to account for their contribution to GHG emissions over the lifetime of a project (SCAQMD 2009).

4.2.2 Mobile Emissions

GHG emissions from vehicles come from the combustion of fossil fuels in vehicle engines. The vehicle emissions are calculated based on the vehicle type and the trip rate for each land use. Mobile source operational emissions are based on the trip rate, trip length, and vehicle mix. Based on the Traffic Impact Analysis prepared for the project, the project would generate 2,232 daily trips while the existing portion of the hospital that would be demolished generate 402 daily trips, for a net increase of 1,830 daily trips (Linscott, Law & Greenspan 2021).

CalEEMod default trip lengths were modeled. The CalEEMod default vehicle emission factors are based on CARB's EMFAC2014 model. More recent versions of the model have been released including EMFAC2017, which has been approved for use by the U.S. EPA, and EMFAC2020, which has not yet been reviewed by the U.S. EPA. EMFAC2017 includes several corrections in emission rates that reflect lower vehicle turnover and vehicle non-compliance. As a result, some emissions for some vehicle categories are higher in EMFAC2017 than EMFAC2014. The updated emission factors have not yet been incorporated into CalEEMod, and there is no standardized approach to modifying the emission factors included in CalEEMod. However, the difference in emission factors are not anticipated to result in an increase in mobile source emissions that would result in an exceedance of the SCAQMD screening threshold (as shown in Table 6 below). Therefore, mobile source emissions are based on EMFAC2014 emission factors.

It should also be noted that GHG emissions result from the combustion of fuel in helicopters. The existing hospital has a helicopter pad that is located at the northern project boundary adjacent to Inland Valley Drive. Based on previous data provided regarding flight operations, a maximum of two flights have taken place between the daytime hours of 7:00 a.m. and 10:00 p.m. on any given day and a maximum of one flight has taken place between the nighttime hours of 10:00 p.m. and 7:00 a.m. on any given day. The project would relocate the helicopter pad to the western project boundary adjacent to I-15. The expansion of the hospital itself would not result in an increase in the number of emergency or transport helicopter trips in the region, since the flight is based on the location of emergencies, needs of the patients, and services provided by the hospital. Relocation of the helipad and expansion of the hospital is not anticipated to result in an increase in helicopter trips.

4.2.3 Energy Use Emissions

GHGs are emitted as a result of activities in buildings for which electricity and natural gas are used as energy sources. GHGs are emitted during the generation of electricity from fossil fuels off-site in power plants. These emissions are considered indirect but are calculated in association with a building's overall operation. Electric power generation accounts for the second largest sector contributing to both inventoried and projected statewide GHG emissions. Combustion of fossil fuel emits criteria pollutants and GHGs directly into the atmosphere. When this occurs in a building, it is considered a direct emissions source associated with the building. CalEEMod estimates emissions from the direct combustion of natural gas for space and water heating.

CalEEMod estimates GHG emissions from energy use by multiplying average rates of residential and non-residential energy consumption by the quantities of residential units and non-residential square footage entered in the land use module to obtain total projected energy use. This value is then multiplied by electricity and natural gas GHG emission factors applicable to the project location and utility provider.

Energy consumption values are based on the CEC sponsored California Commercial End Use Survey and Residential Appliance Saturation Survey studies, which identify energy use by building type and climate zone. Because these studies are based on older buildings,

adjustments have been made in CalEEMod to account for changes to Title 24 Building Codes. CalEEMod 2016.3.2 is based on the 2016 Title 24 energy code (Part 6 of the Building Code). The next version of the energy code, 2019 Title 24, went into effect on January 1, 2020. For non-residential buildings, it is estimated that the 2019 standards will decrease electricity consumption by 10.7 percent and natural gas consumption by 1 percent (NORESO 2018). The project would be subject to the 2019 Title 24 energy code standards. For the existing buildings that would be demolished, GHG emissions were calculated using historic energy consumption data.

Electricity would be provided to the project by Southern California Edison (SCE). Therefore, SCE's specific energy-intensity factors (i.e., the amount of CO₂, CH₄, and NO_x per kilowatt-hour) are used in the calculations of GHG emissions. Statewide RPS goals are summarized in Section 3.2.2.5. This analysis derives energy intensity factors from SCE's *Sustainability Report 2019* (Edison International 2020), which indicates that in 2019 SCE generated 534 pounds of CO₂E for each megawatt-hour of electricity delivered and SCE had achieved 35 percent renewables. Additionally, SCE will achieve at least 44 percent renewables by 2024 and 52 percent by 2027 as required by the RPS. Energy-intensity factor calculations that reflect the increase in renewable resources is provided in Attachment 1.

4.2.4 Area Source Emissions

Area sources include GHG emissions that would occur from the use of landscaping equipment. The use of landscape equipment emits GHGs associated with the equipment's fuel combustion. The landscaping equipment emission values were derived from the 2011 In-Use Off-Road Equipment Inventory Model (CARB 2011).

4.2.5 Water and Wastewater Emissions

The Western Municipal Water District would provide water to the project site. The amount of water used and wastewater generated by a project has indirect GHG emissions associated with it. These emissions are a result of the energy used to supply, distribute, and treat the water and wastewater. In addition to the indirect GHG emissions associated with energy use, wastewater treatment can directly emit both CH₄ and N₂O.

The indoor and outdoor water use consumption data for each land use subtype comes from the Pacific Institute's *Waste Not, Want Not: The Potential for Urban Water Conservation in California 2003* (as cited in CAPCOA 2017). Based on that report, a percentage of total water consumption was dedicated to landscape irrigation, which is used to determine outdoor water use. Wastewater generation was similarly based on a reported percentage of total indoor water use (CAPCOA 2017).

The project would be subject to CALGreen, which requires a 20 percent increase in indoor water use efficiency. As a conservative analysis, no reduction in indoor water use was modeled.

In addition to water reductions under CALGreen, the GHG emissions from the energy used to transport the water are affected by RPS. As discussed previously, to account for the effects

of RPS through project opening year, the energy-intensity factors included in CalEEMod were adjusted to reflect RPS goals of 44 percent renewable energy by 2024 and 52 percent by 2027.

4.2.6 Solid Waste Emissions

The disposal of solid waste produces GHG emissions from anaerobic decomposition in landfills, incineration, and transportation of waste. To calculate the GHG emissions generated by disposing of solid waste for the project, the total volume of solid waste was calculated using waste disposal rates identified by California Department of Resources Recycling and Recovery (CalRecycle). The methods for quantifying GHG emissions from solid waste are based on the Intergovernmental Panel on Climate Change method, using the degradable organic content of waste. GHG emissions associated with the project's waste disposal were calculated using these parameters. According to a CalRecycle report to the Legislature, as of 2013 California has achieved a statewide 50 percent diversion of solid waste from landfills through "reduce/recycle/compost" programs (CalRecycle 2015). However, AB 341 mandates that 75 percent of the solid waste generated be reduced, recycled, or composted by 2020. However, as a conservative analysis, emissions were calculated using default solid waste generation rates with no additional waste diversion.

4.2.7 Stationary Sources

As discussed, there is an existing Central Utility Plant on the project site. The equipment in the existing Central Utility Plant includes air cooled chillers, chilled water pumps, three gas-fired boilers, heating water pumps, and three emergency generators (600 kilowatts [kW], 400 kW, and 150 kW). The new Central Utility Plant equipment would include two 1,500 kW emergency generators, three 600-ton water cooled chillers, three 600-ton cooling towers, chilled and condenser water pumps, and ventilation, heating, and cooling systems. Additionally, three new 6,000 MBH boilers would be installed on the new tower roof. The new Central Utility Plant is anticipated to come on-line in mid-2023, and would not operate at full capacity until after the new tower is both on-line and fully occupied. The existing Central Utility Plant will remain on-line until mid-2025, at which point it would be decommissioned and demolished.

The analysis of potential GHG impacts presented here only addresses those pieces of equipment that are a part of the project that would generate GHG emissions, which would be the emergency generators and boilers.

As discussed, the project would include two 1,500 kW emergency generators. As with the existing emergency generators, these generators would operate in the case of a power outage, and would be tested monthly for up to one hour at 50 percent capacity. Emissions due to monthly testing were calculated using U.S EPA AP-42 emission factors and CARB regulations, as included in CalEEMod (CAPCOA 2016). To obtain worst-case daily emissions, it was assumed that both generators would be tested on the same day.

The project would include three 6,000 MBH boilers. Not all boilers would operate at 100 percent capacity at all times. Typically, one boiler would operate at full capacity, a second

would provide additional capacity during extreme weather days, and the third would serve as a standby unit. However, as a conservative air quality analysis, emissions due to all three boilers operating at full capacity were modeled. Emissions due to the boilers were calculated using emission factors included in the equipment specifications and U.S. EPA AP-42 emission factors.

5.0 GHG Emission Calculations

Based on the methodology summarized in Section 4.2, the primary sources of direct and indirect GHG emissions have been calculated. Table 5 summarizes the total construction emissions. Table 6 summarizes the total GHG emissions associated with the project, the existing buildings that would be demolished, and the net increase. The complete model outputs are included in Attachment 1.

Table 5 Construction GHG Emissions	
Year	Construction GHG Emissions MT CO ₂ E
2021	373
2022	1,660
2023	1,702
2024	500
2025	465
2026	84
Total GHG Emissions	4,784
Amortized Over 30 Years	159
MT CO ₂ E = metric tons of carbon dioxide equivalent	

Table 6 Summary of Project GHG Emissions (MT CO₂E)			
Source	Existing Buildings to be Demolished	Proposed Project	Net Increase
Mobile	510	2,836	2,326
Energy Source	913	1,755	842
Area Sources	<1	<1	<1
Water/Wastewater Sources	7	32	25
Solid Waste Sources	26	147	120
Construction (Amortized over 30 years)	0	159	159
Emergency Generators	Not Calculated	13	13
Boilers	Not Calculated	4,209	4,209
Total	1,457	9,152	7,695
<i>SCAQMD Significance Threshold</i>			<i>10,000</i>
MT CO ₂ E = metric tons of carbon dioxide equivalent			

As shown in Table 6, the existing buildings that would be demolished emit 1,457 MT CO₂E annually. Since these buildings would be removed as a part of the project, they would no

longer be a source of GHG emissions. The project would emit 9,152 MT CO₂E annually. Thus, the project would result in a net increase of 7,695 MT CO₂E annually. As these emissions would be less than the SCAQMD screening threshold of 10,000 MT CO₂E, GHG emissions associated with the project would be less than significant. Note that there are existing emergency generators and boilers within the existing Central Utility Plant that would be decommissioned once the new Central Utility Plant is on-line. Once they are decommissioned, they would no longer be a source of emissions and the project's net increase in emissions would be less than what is summarized in Table 6.

6.0 GHG Impact Analysis

1. *Would the project generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment?*

As discussed previously, this analysis uses SCAQMD's *Interim CEQA GHG Significance Thresholds for Stationary Sources, Rules, and Plans*. The interim thresholds are a tiered approach; project impacts may be determined to be less than significant under each tier or require further analysis under subsequent tiers. Because the project is subject to CEQA and is not subject to a regional GHG emissions reduction plan, the project does not fall under Tiers 1 or 2. As shown in Table 6, construction and operation of the project would result in a net increase in emissions of 7,695 MT CO₂E annually. Project GHG emissions would be less than the applicable SCAQMD screening level of 10,000 MT CO₂E. As project emissions would be less than the 10,000 MT CO₂E screening level, GHG emissions impacts would be less than significant without mitigation.

2. *Would the project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emission of GHGs?*

As discussed in Section 3.2.2, State Climate Change Regulations, EO S-3-05 established GHG emission reduction targets for the state, and AB 32 launched the CARB Climate Change Scoping Plan that outlined the reduction measures needed to reach the 2020 target. As discussed above, the project emissions would be below the screening level of 10,000 MT CO₂E for stationary sources. This threshold is based on the concept of establishing a 90 percent GHG emission capture rate. A 90 percent emission capture rate means that 90 percent of total emissions from all new or modified stationary source projects would be subject to a CEQA analysis, which includes analyzing feasible alternatives and imposing feasible mitigation measures. The market capture rate is based on guidance from the California Air Pollution Control Officers Association (CAPCOA) report *CEQA & Climate Change*, dated January 2008, which identifies several potential approaches for assessing a project's GHG emissions (CAPCOA 2008). Following the market capture rate approach, a lead agency defines an acceptable capture rate and identifies the corresponding emissions level. Following rationale presented in the CAPCOA Guidance, the aggregate emissions from all projects with individual annual emissions that are equal to or less than the identified market capture rate would not impede achievement of the state GHG emissions reduction targets codified by AB 32 (2006) and SB 32 (2016), and impacts under CEQA would therefore be less than cumulatively considerable. A 90 percent emission capture rate sets the emission

threshold low enough to capture a substantial fraction of future stationary source projects that will be constructed to accommodate future statewide population and economic growth, while setting the emission threshold high enough to exclude small projects that will in aggregate contribute a relatively small fraction of the cumulative statewide GHG emissions.

Project GHG emissions would be less than the applicable SCAQMD screening level of 10,000 MT CO₂E. Further, project emissions would decline beyond the buildout year of the project, 2026, as a result of continued implementation of federal, state, and local reduction measures such as increased federal and state vehicle efficiency standards, and SCE's increased renewable sources of energy in accordance with RPS goals. Based on currently available models and regulatory forecasting, project emissions would continue to decline through at least 2050. Given the reasonably anticipated decline in project emissions, once fully constructed and operational, the project is in line with the GHG reductions needed to achieve the 2050 GHG emission reduction targets identified by EO S-3-05.

As noted in Section 3.2.2.3, the 2017 Scoping Plan identifies state strategies for achieving the state's 2030 interim GHG emissions reduction target codified by SB 32. Measures under the 2017 Scoping Plan scenario build on existing programs such as the Low Carbon Fuel Standard, Advanced Clean Cars Program, RPS, Sustainable Communities Strategy, Short-Lived Climate Pollutant Reduction Strategy, and the Cap-and-Trade Program. The project would comply with all applicable provisions contained in the 2017 Scoping Plan since the adopted regulations would apply to new development or the emission sectors associated with new development.

- **Transportation** – State regulations and 2017 Scoping Plan measures that would reduce the project's mobile source emissions include the California Light-Duty Vehicle GHG Standards (AB 1493/Pavley I and II), and the Low Carbon Fuel Standard, and the heavy-duty truck regulations. These measures are implemented at the state level and would result in project-related mobile source GHG emissions.
- **Energy** – State regulations and 2017 Scoping Plan measures that would reduce the project's energy-related GHG emissions include RPS (see Section 3.2.2.5), Title 24 Energy Efficiency Standards (see Section 3.2.2.7a), and CALGreen (see Section 3.2.2.7b). The project would be served by SCE, which has achieved 38 percent renewables as of 2019 and is required to achieve 44 percent by 2024, prior to project operation. The project's energy related GHG emissions would decrease as SCE increases its renewables procurement towards the 2030 goal of 60 percent. Additionally, the project would be constructed in accordance with energy efficiency standards effective at the time building permits are issued. The current 2019 Energy Code is estimated to decrease energy consumption by 30 percent for non-residential buildings when compared to the 2016 Title 24 Energy Code.
- **Water** – State regulations and 2017 Scoping Plan measures that would reduce the project's electricity consumption associated with water supply, treatment, and distribution, and wastewater treatment include RPS, CALGreen, and the Model Water Efficient Landscape Ordinance. The project would be required to reduce indoor

water consumption by 20 percent in accordance with CALGreen. Additionally, the project would be subject to all City landscaping ordinance requirements.

- **Waste** – State regulations and 2017 Scoping Plan measures that would reduce the project’s solid waste-related GHG emissions are related to landfill methane control, increases efficiency of landfill methane capture, and high recycling/zero waste. The project would be subject to CALGreen, which requires a diversion of construction and demolition waste from landfills. Additionally, the project would include recycling storage and would divert waste from landfills in accordance with AB 341.

In addition to meeting the SCAQMD screening thresholds, the project was evaluated for consistency with the SCS strategies contained in Connect SoCal. As discussed in Table 7 below, the project would be consistent with applicable Connect SoCal strategies, particularly by providing expanded health services to the existing and projected population. The project would be required to comply with the regulations discussed above that have been adopted to implement the Scoping Plan and to achieve the SB 32 2030 target. As a result, the project would not conflict with applicable plans, policies, or regulations adopted for the purpose of reducing GHG emissions. Impacts would be less than significant and not require mitigation.

Table 7 Project Consistency with Connect SoCal Strategies	
	Project Consistency
Focus Growth Near Destinations and Mobility Options	
<ul style="list-style-type: none"> • Emphasize land use patterns that facilitate multimodal access to work, educational, and other destinations. • Focus on a regional jobs/housing balance to reduce commute times and distances and expand job opportunities near transit and along center-focused main streets. • Plan for growth near transit investments and support implementation of first/last mile strategies. • Promote the redevelopment of underperforming retail developments and other outmoded nonresidential uses. • Prioritize infill and redevelopment of underutilized land to accommodate new growth, increase amenities and connectivity in existing neighborhoods. • Encourage design and transportation options that reduce the reliance on and number of solo car trips (this could include mixed uses or locating and orienting close to existing destinations). • Identify ways to “right size” parking requirements and promote alternative parking strategies (e.g., shared parking or smart parking). 	<p>The project is surrounded by medical, commercial, and residential uses. The project would expand an existing hospital, thereby increasing its capacity, creating additional jobs on-site and providing expanded health services to the existing population.</p> <p>Transportation/shuttle services at the hospital are available. As a hospital use where easy patient access is necessary, the project would meet the City’s parking requirements. However, the project site is served by an existing bus route immediately adjacent to the project site. The project would also provide secure bicycle parking.</p> <p>Further, the project site is located adjacent to a priority growth area (PGA) corridor located west of Interstate 15 as identified in Connect SoCal. From 2016 to 2045, 64 percent of new households and 74 percent of new jobs will occur in PGAs. Increase hospital capacity adjacent to a PGA would accommodate population growth in the adjacent PGA by providing increased medical care closer to residents.</p>

Table 7 Project Consistency with Connect SoCal Strategies	
	Project Consistency
Promote Diverse Housing Options	
<ul style="list-style-type: none"> • Preserve and rehabilitate affordable housing and prevent displacement. • Identify funding opportunities for new workforce and affordable housing development. • Create incentives and reduce regulatory barriers for building context sensitive accessory dwelling units to increase housing supply. • Provide support to local jurisdictions to streamline and lessen barriers to housing development that supports reduction of greenhouse gas emissions. 	<p>The project is not a residential project and therefore these strategies do not apply to the project.</p>
Leverage Technology Innovations	
<ul style="list-style-type: none"> • Promote low emission technologies such as neighborhood electric vehicles, shared ride hailing, car sharing, bike sharing and scooters by providing supportive and safe infrastructure such as dedicated lanes, charging and parking/drop-off space. • Improve access to services through technology, such as telework and telemedicine as well as other incentives such as a mobility wallet. • Identify ways to incorporate micro-power grids in communities, for example solar energy, hydrogen fuel cell power storage and power generation. 	<p>Transportation/shuttle services at the hospital are available. The project would also improve the hospital entrance and drop-off/pick-up area at the new hospital tower. The project site is served by an existing bus route immediately adjacent to the project site, and the project would also provide secure bicycle parking.</p> <p>In regards to telecommuting, the project is a hospital expansion which would require employees to physically be on-site for patient care. However, doctors may provide telemedicine options for their patients, thereby reducing the number of patient vehicle trips particularly for routine appointments and check-ups that do not require the patient to be physically present at the hospital.</p> <p>The project would also include a new Central Utility Plant that would replace the existing Central Utility Plant and include newer and more efficient equipment and machinery.</p>
Support Implementation of Sustainable Policies	
<ul style="list-style-type: none"> • Pursue funding opportunities to support local sustainable development implementation projects that reduce greenhouse gas emissions. • Support statewide legislation that reduces barriers to new construction and that incentivizes development near transit corridors and stations. • Support local jurisdictions in the establishment of EIFDs, CRIAS, or other tax increment or value capture tools to finance sustainable infrastructure and 	<p>These strategies are not directly applicable to the project. The project would not interfere with SCAG's efforts to work with local jurisdictions, communities, and other planning organizations to implement sustainable policies.</p>

Table 7 Project Consistency with Connect SoCal Strategies	
	Project Consistency
<p>development projects including parks and open space.</p> <ul style="list-style-type: none"> • Work with local jurisdictions/communities to identify opportunities and assess barriers for implementing sustainability strategies. • Enhance partnerships with other planning organizations to promote resources and best practices in the SCAG region. • Continue to support long range planning efforts by local jurisdictions. • Provide educational opportunities to local decisions makers and staff on new tools, best practices and policies related to implementing the Sustainable Communities Strategy. 	
Promote a Green Region	
<ul style="list-style-type: none"> • Support development of local climate adaptation and hazard mitigation plans as well as project implementation that improves community resiliency to climate change and natural hazards. • Support local policies for renewable energy production, reduction of urban heat islands and carbon sequestration. • Integrate local food production into the regional landscape. • Promote more resource efficient development focused on conservation, recycling and reclamation. • Preserve, enhance and restore regional wildlife connectivity. • Reduce consumption of resource areas, including agricultural land. • Identify ways to improve access to public park space. 	<p>Strategies regarding climate adaptation, food production, wildlife connectivity, agricultural lands, and park space are not applicable to the project. However, the project would support energy conservation, a reduction in heat islands, and recycling efforts. The project would be constructed in accordance with energy efficiency standards effective at the time building permits are issued. The current 2019 Energy Code is estimated to decrease energy consumption when compared to the 2016 Title 24 Energy Code. The project would be served by SCE, which has achieved 38 percent renewables as of 2019, and is required to achieve 44 percent by 2024 prior to project operation. The project’s energy-related GHG emissions would decrease as SCE increases its renewables procurement beyond 2020 towards the 2030 goal of 60 percent. Project-related C&D waste would be sorted, recycled, and diverted from landfills in accordance with mandatory regulatory requirements. The project landscaping plan would include shade trees and reduce the heat island effect.</p>

7.0 Conclusions

GHG emissions would result from construction and operation of the project. Construction activities emit GHGs primarily through the combustion of fuels in on- and off-road equipment and vehicles. Operational emissions include mobile, energy (electricity and natural gas), area (landscape maintenance equipment), water and wastewater, and solid waste sources, as well

as stationary sources associated with the Central Utility Plant. GHG emission associated with construction and operation of the project were calculated and compared to the SCAQMD annual screening threshold of 10,000 MT CO₂E for stationary sources. This threshold is based on the concept of establishing a GHG emission market capture rate. Following rationale presented in the CAPCOA Guidance, the aggregate emissions from all projects with individual annual emissions that are equal to or less than the identified market capture rate would not impede achievement of the state GHG emissions reduction targets codified by AB 32 (2006) and SB 32 (2016), and impacts under CEQA would, therefore, be less than cumulatively considerable. As shown in Table 6, the project would result in a net increase of 7,695 MT CO₂E per year. As project emissions would be less than the 10,000 MT CO₂E screening level, GHG emissions impacts would be less than significant. Additionally, the project would be consistent with applicable 2017 Scoping Plan and Connect SoCal measures, and is in line with the GHG reductions needed to achieve the 2050 GHG emission reduction targets identified by EO S-3-05. GHG impacts would be less than significant without mitigation.

8.0 References Cited

California Air Pollution Control Officers Association (CAPCOA)

2008 CEQA & Climate Change, Evaluating and Addressing Greenhouse Gas Emissions from Projects Subject to the California Environmental Quality Act, January.

2017 California Emissions Estimator model (CalEEMod). User's Guide Version 2016.3.2. November.

California Air Resources Board (CARB)

2007 California Greenhouse Gas Inventory – Summary by Economic Sector. Last updated November 19, 2007.

2008 Climate Change Scoping Plan: A Framework for Change.
http://www.arb.ca.gov/cc/scopingplan/document/adopted_scoping_plan.pdf.
December.

2011 In-Use Off-Road Equipment (Construction, Industrial, Ground Support, and Oil Drilling) 2011 Inventory Model.

2014 2014 Emission FACTors (EMFAC) model, version 1.07, update March 15, 2015.

2017a The 2017 Climate Change Scoping Plan Update: The Proposed Strategy for Achieving California's 2030 Greenhouse Gas Target. January 20.

2017b Emission FACTors (EMFAC) 2017. Version 1.0.2.

2020 Greenhouse Gas Inventory Data—2000 to 2018 (last updated October 15, 2020).
<https://ww2.arb.ca.gov/ghg-inventory-data>.

California Department of Resources Recycling and Recovery (CalRecycle)

- 2015 AB 341 Report to the Legislature. Publication #DRRR-2015-1538.
<https://www2.calrecycle.ca.gov/Publications/Download/1168>.

California Energy Commission (CEC)

- 2018 An Overview of the 2019 Building Energy Efficiency Standards. Accessed at 2019 Building Energy Efficiency Standards. March 2018.

Council on Environmental Quality (CEQ)

- 2012 Federal Greenhouse Gas Accounting and Reporting Guidance, June 4. Accessed June 24, 2016. https://www.whitehouse.gov/sites/default/files/microsites/ceq/ghg_guidance_document_0.pdf.

California Public Utilities Commission (CPUC)

- 2020 2020 California Renewables Portfolio Standard Annual Report. November.

Edison International

- 2020 Sustainability Report 2019. Accessed at <https://www.edison.com/content/dam/eix/documents/sustainability/eix-2019-sustainability-report.pdf>.

Intergovernmental Panel on Climate Change (IPCC)

- 2007 Fourth Assessment Report (AR4), Climate Change 2007: Synthesis Report.

2014 Fifth Assessment Report (AR5), Climate Change 2014: Synthesis Report.

Linscott, Law & Greenspan (LLG)

- 2020 Trip Generation Summary. Emailed to RECON by Walter Musial, LLG on November 10, 2020.

NORESKO

- 2018 Impact Analysis: 2019 Update to the California Energy Efficiency Standards for Residential and Non-Residential Buildings. Prepared for California Energy Commission. June 29.

South Coast Air Quality Management District (SCAQMD)

- 2008 Draft Guidance Document – *Interim CEQA GHG Significance Thresholds for Stationary Sources, Rules, and Plans*. October.

2009 Greenhouse Gas CEQA Significance Threshold Stakeholder Working Group 14. November 19, 2009.

2010 Greenhouse Gas CEQA Significance Thresholds Stakeholder Working Group 15. September 28, 2010.

South Coast Association of Governments (SCAG)

- 2020 Connect SoCal: The 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy. Adopted September 3, 2020.

U.S. Environmental Protection Agency (U.S. EPA)

- 2010 Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2008. U.S. Greenhouse Gas Inventory Program, Office of Atmospheric Programs. 430-R-10-006. April 15.

2020a Energy Star. Accessed June 17, 2020. Available at <http://www.energystar.gov>.

2020b U.S. EPA State and Local Climate and Energy Program. Accessed June 17, 2020. <http://www.epa.gov/statelocalclimate/index.html>.

Western Riverside Council of Governments (WRCOG)

- 2010 Wildomar Greenhouse Gas Emissions Inventory. 2010.

2014 Subregional Climate Action Plan. Final Report. September 2014.

ATTACHMENT 1

**GHG Emission Calculations and CalEEMod
Output**

GHG Emissions Summary

	<u>Existing Hospital to be Removed</u>	<u>Proposed Project</u>	<u>Net Increase</u>
Mobile	510	2,836	2,326
Energy	913	1,755	842
Area	0	0	0
Water	7	32	25
Waste	26	147	120
Construction (Amortized Over 30 Years)	0	159	159
Emergency Generators	Not Calculated	13	13
Boilers	Not Calculated	4,209	4,209
Total	1,457	9,152	7,695

Construction Emissions	MT CO2E/Year
2021	373
2022	1,660
2023	1,702
2024	500
2025	465
2026	84
Total	4,784

Kohler Diesel Generator KD1500

Genset Power rating @ 0.8 pf 1875 kVA
 Genset Power rating with fan 1500 ekW

Assumed generator efficiency 95%

Engine Power:
 100% Load 1578.947 bkW
 75% Load 1184.211 bkW
 50% Load 789.4737 bkW

Engine Power:
 100% Load 2117.403 bhp
 75% Load 1588.052 bhp
 50% Load 1058.702 bhp

Fuel Consumption:		<u>Ref.</u>
100% Load	105.9 gal/hr	1
75% Load	83.5 gal/hr	1
50% Load	58.6 gal/hr	1
25% Load	32.8 gal/hr	1

50% load per project electrical engineer

<u>Pollutant</u>	<u>Emission Factor</u>			<u>Emission Rate (g/hour)</u>			<u>Emission Rate (lbs/hour)</u>			<u>Max Daily</u>		<u>Annual</u>	
	<u>Factor</u>	<u>Units</u>	<u>Source</u>	<u>100% Load</u>	<u>75% Load</u>	<u>50% Load</u>	<u>100% Load</u>	<u>75% Load</u>	<u>50% Load</u>	<u>1 Generator</u>	<u>2 Generators</u>	<u>1 Generator</u>	<u>2 Generators</u>
ROG	0.002248	lb/hp-hr	2	2,159.06	1,619.30	1,079.53	4.76	3.57	2.38	2.38	4.76		
NOx	4.56	g/hp-hr	2	9,655.36	7,241.52	4,827.68	21.29	15.96	10.64	10.64	21.29		
CO	2.6000	g/hp-hr	2	5,505.25	4,128.94	2,752.62	12.14	9.10	6.07	6.07	12.14		
SO2	0.0049	g/hp-hr	2	10.38	7.78	5.19	0.02	0.02	0.01	0.01	0.02		
PM10	0.15	g/hp-hr	2	317.61	238.21	158.81	0.70	0.53	0.35	0.35	0.70		
PM2.5	0.15	g/hp-hr	2	317.61	238.21	158.81	0.70	0.53	0.35	0.35	0.70		
CO2	1.15	lb/hp-hr	2	1,104,502.78	828,377.08	552,251.39	2,435.01	1,826.26	1,217.51	1,217.51	2,435.01	6.63	13.25
CH4	0.073134	g/hp-hr	2	154.85	116.14	77.43	0.34	0.26	0.17	0.17	0.34	0.00	0.00
												6.65	13.31 MT CO2E

CH4 GWP = 28

1. Kohler KD1500 Specifications
2. CalEEMod 2016.3.2

Fulton 6,000 MBH Boilers

Three (3) 6,000 MBH Boilers
 6,000 MBH
 6,000,000 BTU/hour
 6 MMBTU/hour

50% of Total Capacity = 1 boiler operating at 100% capacity continuously and 2 boilers operating at 100% capacity for approximately 25% of the time

Pollutant	Emission Factor		Emission Source	lbs/day per boiler (100% capacity)	lbs/day all 3 boilers (100% capacity)	MT/Year per boiler (100% capacity)	MT/Year all 3 boilers (100% capacity)	MT/Year per boiler (50% capacity)	MT/Year all 3 boilers (50% capacity)
	Factor	Units							
ROG	0.0324	lb/hour	1, 2	0.78	2.33				
NOx	0.066	lb/hour	2	1.58	4.75				
CO	0.2584	lb/hour	1	6.20	18.60				
SO2	0.0035	lb/hour	1, 2	0.08	0.25				
PM10	0.0447	lb/hour	1, 2	1.07	3.22				
PM2.5	0.0447	lb/hour	1, 2	1.07	3.22				
CO2	705.8824	lb/hour	2	16,941.18	50,823.53	2,804.8053	8,414.4159	1,402.4026	4,207.2079
CH4	0.0135	lb/hour	2	0.32	0.97	0.0536	0.1609	0.0268	0.0805
						2,806.3073	8,418.9218	1,403.1536	4,209.4609

MT CO2E

CH4 GWP = 28

1. Fulton Boiler Specifications
2. CalEEMod 2016.3.2

CalEEMod Emission Factors

	lb/10^6 scf	lb/MMBtu	lb/hour
ROG	5.5	0.0054	0.0324
NOx	11.22	0.0110	0.0660
CO	98	0.0961	0.5765
SO2	0.6	0.0006	0.0035
PM10	7.6	0.0075	0.0447
PM2.5	7.6	0.0075	0.0447
CO2	120,000	117.6471	705.8824
CH4	2.3	0.0023	0.0135

Boiler Specifications Emission Factors

EMISSIONS: STANDARD NATURAL GAS AT 1,020 BTU/SCF (9.082 KCAL/M ³)							
Endura+ Model		EDR+4000		EDR+5000		EDR+6000	
NOx	ppm	< 20	< 7	< 20	< 7	< 20	< 7
CO ₂	%	8.6	7.5	8.6	7.5	8.6	7.5
	ppm	< 45	< 45	< 50	< 45	< 60	< 50
CO	lbs/hr	0.1314	0.1314	0.1788	0.1606	0.2584	0.2146
	g/hr	59.60	59.60	81.10	72.85	117.2	97.34
SOx	lbs/hr	0.0024		0.0029		0.0035	
	g/hr	1.089		1.315		1.588	
Total Particulates (PM)	lbs/hr	0.0298		0.0373		0.0447	
	g/hr	13.52		16.92		20.28	
Total Organics (TOC)	lbs/hr	0.0431		0.0539		0.0647	
	g/hr	19.55		24.45		29.35	
Lead	lbs/hr	2.0 x 10 ⁻⁶		2.5 x 10 ⁻⁶		2.9 x 10 ⁻⁶	
	g/hr	9.1 x 10 ⁻⁴		0.0011		0.0013	
Volatile Organic Compounds (VOC)	lbs/hr	0.0216		0.0270		0.0324	
	g/hr	9.798		12.25		14.70	

NOTES:

- <7 ppm NOx operation is available for 460/3/60 electrical configurations only.
- NOx and CO are stated at a 3% O₂ correction.
- Emissions data is typical for standard natural gas operation.
- Emissions will vary based on site specific factors and operating parameters.
- Site specific conditions and emissions requirements will determine the appropriate CO₂ settings for each application.
- VOC, SOx, PM, TOC and Lead are achieved through calculation using the AP 42 method as published by the US EPA, and are stated at rated input.
- AP 42, Fifth Edition, Vol 1, Ch 1, Table 1.4-2 determines the emissions components that cannot be measured with a combustion analyzer.
- Jacket losses: 0.2% of output at maximum capacity, IAW ASHRAE Standard 103-2007.

**GHG Intensity Factors (lbs/MWh)
Southern California Edison**

	Default CalEEMod	2019 (35% RPS)	Intensity Factor without RPS (0% RPS)	2024 (44% RPS)	2025 (46.67% RPS)	2026 (49.33% RPS)	2027 (52% RPS)
CO2	702.436	532.058	858.158	480.569	457.656	434.829	411.916
CH4	0.029	0.022	0.035	0.020	0.019	0.018	0.017
N2O	0.006	0.005	0.008	0.004	0.004	0.004	0.004
CO2E	705.000	534.000	861.290	482.323	459.326	436.416	413.419

In 2019, SCE had 35% RPS and a CO2E emission rate of 534 lbs/MWh.

<https://www.edison.com/content/dam/eix/documents/sustainability/eix-2019-sustainability-report.pdf>

Year	RPS Requirement
2024	44.00
2025	46.67
2026	49.33
2027	52.00

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

9790 Inland Valley Medical Center
South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	100.00	Bed	1.64	248,225.00	0
Parking Lot	3.60	Acre	3.60	156,816.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	434.83	CH4 Intensity (lb/MW hr)	0.018	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity factors adjusted to reflect So Cal Edison RPS procurement

Land Use - New tower 232,000 sf, net increase 82 beds
 CUP 16,225 sf

Construction Phase - Per project schedule

Off-road Equipment - Building A Canopy - Default equipment

Off-road Equipment - Building A Construction Post Occupancy - No crane or tractors for post-occupancy finishes

Off-road Equipment - Building A Remodel - No crane or tractors for interior remodel

Off-road Equipment - Building A Renovations - No crane or tractors for interior remodel

Off-road Equipment - Building C Demo - Default equipment

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

Off-road Equipment - Building I Renovation - No cranes or tractors for interior remodel
Off-road Equipment - Buildings B-H Demo - Default equipment

Off-road Equipment - CUP Construction - Default equipment

Off-road Equipment - CUP Site Clearing - Equipment reduced to 1 each due to small area

Off-road Equipment - East Parking Lot - Default equipment

Off-road Equipment - New Tower Architectural Coatings - Default equipment

Off-road Equipment - New Tower Construction - Default equipment

Off-road Equipment - New Tower Grading - Default equipment

Off-road Equipment - New Tower Site Prep - Default equipment

Off-road Equipment - South Parking Lot - Default equipment

Trips and VMT - Default hauling trips

Demolition - Building C (12,800 sf) + Remodel (40,000 sf)
Buildings B-H (95,000 sf)

Grading - Export 1,200 cy

Vehicle Trips - 22.32 trips/weekday
Default trip length

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix -

Architectural Coating -

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

tblTripsAndVMT	VendorTripNumber	66.00	73.00
tblTripsAndVMT	WorkerTripNumber	145.00	159.00
tblTripsAndVMT	WorkerTripNumber	145.00	159.00
tblTripsAndVMT	WorkerTripNumber	29.00	32.00
tblTripsAndVMT	WorkerTripNumber	145.00	159.00
tblTripsAndVMT	WorkerTripNumber	145.00	159.00
tblTripsAndVMT	WorkerTripNumber	145.00	159.00
tblTripsAndVMT	WorkerTripNumber	145.00	159.00
tblTripsAndVMT	WorkerTripNumber	145.00	159.00
tblVehicleTrips	ST_TR	8.14	14.04
tblVehicleTrips	SU_TR	7.19	12.40
tblVehicleTrips	WD_TR	12.94	22.32

2.0 Emissions Summary

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1968	1.7403	1.5450	4.1100e-003	0.1601	0.0685	0.2287	0.0418	0.0647	0.1064	0.0000	371.5623	371.5623	0.0437	0.0000	372.6537
2022	0.7460	7.0421	6.5395	0.0182	0.9324	0.2513	1.1837	0.3308	0.2361	0.5669	0.0000	1,655.0587	1,655.0587	0.2101	0.0000	1,660.3099
2023	1.8814	5.9260	6.8234	0.0188	0.7279	0.2103	0.9382	0.1967	0.1985	0.3952	0.0000	1,697.0857	1,697.0857	0.1927	0.0000	1,701.9041
2024	0.2098	1.8080	2.2341	5.5300e-003	0.1816	0.0653	0.2468	0.0491	0.0611	0.1102	0.0000	498.3158	498.3158	0.0742	0.0000	500.1710
2025	0.2234	1.9628	2.2015	5.1800e-003	0.1549	0.0772	0.2321	0.0363	0.0720	0.1082	0.0000	462.6847	462.6847	0.0889	0.0000	464.9074
2026	0.0421	0.3401	0.5901	9.5000e-004	6.5000e-003	0.0166	0.0231	1.7300e-003	0.0153	0.0170	0.0000	83.7855	83.7855	0.0257	0.0000	84.4272
Maximum	1.8814	7.0421	6.8234	0.0188	0.9324	0.2513	1.1837	0.3308	0.2361	0.5669	0.0000	1,697.0857	1,697.0857	0.2101	0.0000	1,701.9041

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1968	1.7403	1.5450	4.1100e-003	0.1533	0.0685	0.2218	0.0408	0.0647	0.1054	0.0000	371.5621	371.5621	0.0437	0.0000	372.6535
2022	0.7460	7.0421	6.5395	0.0182	0.7599	0.2513	1.0112	0.2409	0.2361	0.4770	0.0000	1,655.0579	1,655.0579	0.2101	0.0000	1,660.3091
2023	1.8814	5.9260	6.8234	0.0188	0.7279	0.2103	0.9382	0.1967	0.1985	0.3952	0.0000	1,697.0849	1,697.0849	0.1927	0.0000	1,701.9033
2024	0.2098	1.8080	2.2341	5.5300e-003	0.1816	0.0653	0.2468	0.0491	0.0611	0.1102	0.0000	498.3155	498.3155	0.0742	0.0000	500.1707
2025	0.2234	1.9628	2.2015	5.1800e-003	0.1292	0.0772	0.2064	0.0324	0.0720	0.1043	0.0000	462.6844	462.6844	0.0889	0.0000	464.9070
2026	0.0421	0.3401	0.5901	9.5000e-004	6.5000e-003	0.0166	0.0231	1.7300e-003	0.0153	0.0170	0.0000	83.7854	83.7854	0.0257	0.0000	84.4271
Maximum	1.8814	7.0421	6.8234	0.0188	0.7599	0.2513	1.0112	0.2409	0.2361	0.4770	0.0000	1,697.0849	1,697.0849	0.2101	0.0000	1,701.9033

	ROG	NOx	CO	SO2	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	9.48	0.00	7.19	14.45	0.00	7.27	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-14-2021	10-13-2021	0.4571	0.4571
2	10-14-2021	1-13-2022	0.9061	0.9061
3	1-14-2022	4-13-2022	1.3885	1.3885
4	4-14-2022	7-13-2022	2.3527	2.3527
5	7-14-2022	10-13-2022	2.1899	2.1899

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

6	10-14-2022	1-13-2023	1.8983	1.8983
7	1-14-2023	4-13-2023	2.0141	2.0141
8	4-14-2023	7-13-2023	3.0478	3.0478
9	7-14-2023	10-13-2023	1.8981	1.8981
10	10-14-2023	1-13-2024	0.7213	0.7213
11	1-14-2024	4-13-2024	0.6818	0.6818
12	4-14-2024	7-13-2024	0.6800	0.6800
13	7-14-2024	10-13-2024	0.2400	0.2400
14	10-14-2024	1-13-2025	0.3473	0.3473
15	1-14-2025	4-13-2025	0.0589	0.0589
16	4-14-2025	7-13-2025	0.5076	0.5076
17	7-14-2025	10-13-2025	1.0300	1.0300
18	10-14-2025	1-13-2026	0.5722	0.5722
19	1-14-2026	4-13-2026	0.3111	0.3111
20	4-14-2026	7-13-2026	0.0276	0.0276
		Highest	3.0478	3.0478

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.0247	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5700e-003	2.5700e-003	1.0000e-005	0.0000	2.7400e-003
Energy	0.1011	0.9189	0.7719	5.5100e-003		0.0698	0.0698		0.0698	0.0698	0.0000	1,913.4915	1,913.4915	0.0570	0.0267	1,922.8842
Mobile	0.4832	2.5312	6.8527	0.0306	2.9043	0.0216	2.9259	0.7781	0.0201	0.7981	0.0000	2,833.1376	2,833.1376	0.1181	0.0000	2,836.0888
Waste						0.0000	0.0000		0.0000	0.0000	59.2734	0.0000	59.2734	3.5030	0.0000	146.8472
Water						0.0000	0.0000		0.0000	0.0000	2.8494	26.8147	29.6641	0.2938	7.1600e-003	39.1410
Total	1.6090	3.4502	7.6259	0.0361	2.9043	0.0914	2.9957	0.7781	0.0899	0.8680	62.1227	4,773.4463	4,835.5691	3.9718	0.0339	4,944.9640

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.0247	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5700e-003	2.5700e-003	1.0000e-005	0.0000	2.7400e-003
Energy	0.0911	0.8285	0.6959	4.9700e-003		0.0630	0.0630		0.0630	0.0630	0.0000	1,746.4210	1,746.4210	0.0523	0.0243	1,754.9696
Mobile	0.4832	2.5312	6.8527	0.0306	2.9043	0.0216	2.9259	0.7781	0.0201	0.7981	0.0000	2,833.1376	2,833.1376	0.1181	0.0000	2,836.0888
Waste						0.0000	0.0000		0.0000	0.0000	59.2734	0.0000	59.2734	3.5030	0.0000	146.8472
Water						0.0000	0.0000		0.0000	0.0000	2.2795	22.2015	24.4810	0.2351	5.7300e-003	32.0654
Total	1.5990	3.3597	7.5499	0.0355	2.9043	0.0846	2.9888	0.7781	0.0830	0.8611	61.5529	4,601.7627	4,663.3156	3.9083	0.0300	4,769.9737

	ROG	NOx	CO	SO2	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	0.62	2.62	1.00	1.50	0.00	7.52	0.23	0.00	7.65	0.79	0.92	3.60	3.56	1.60	11.42	3.54

3.0 Construction Detail

Construction Phase

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building A Remodel	Building Construction	3/30/2021	9/24/2021	5	129	
2	Building C Demolition	Demolition	11/1/2021	3/10/2022	5	94	
3	CUP Site Clearing	Site Preparation	2/23/2022	3/24/2022	5	22	
4	New Tower Site Prep	Site Preparation	3/11/2022	3/31/2022	5	15	
5	CUP Construction	Building Construction	3/25/2022	5/8/2023	5	292	
6	New Tower Grading	Grading	4/1/2022	5/12/2022	5	30	
7	Building I Renovation	Building Construction	4/13/2022	11/28/2022	5	164	
8	New Tower Construction	Building Construction	5/19/2022	8/9/2024	5	582	
9	Building A Canopy	Building Construction	2/27/2023	9/20/2023	5	148	
10	Building A Renovations	Building Construction	2/27/2023	9/20/2023	5	148	
11	New Tower Architectural Coatings	Architectural Coating	4/14/2023	8/9/2023	5	84	
12	South Parking Lot	Paving	10/4/2024	1/30/2025	5	85	
13	Building A Construction Post Occupance	Building Construction	5/29/2025	9/19/2025	5	82	
14	Buildings B-H Demolition	Demolition	6/6/2025	12/12/2025	5	136	
15	East Parking Lot	Paving	12/15/2025	4/21/2026	5	92	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.6

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 373,262; Non-Residential Outdoor: 124,421; Striped Parking Area: 9,409 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building A Remodel	Cranes	0	0.00	231	0.29

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

Building A Remodel	Forklifts	3	8.00	89	0.20
Building A Remodel	Generator Sets	1	8.00	84	0.74
Building A Remodel	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Building A Remodel	Welders	1	8.00	46	0.45
Building C Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building C Demolition	Excavators	3	8.00	158	0.38
Building C Demolition	Rubber Tired Dozers	2	8.00	247	0.40
CUP Site Clearing	Rubber Tired Dozers	1	8.00	247	0.40
CUP Site Clearing	Tractors/Loaders/Backhoes	1	8.00	97	0.37
New Tower Site Prep	Rubber Tired Dozers	3	8.00	247	0.40
New Tower Site Prep	Tractors/Loaders/Backhoes	4	8.00	97	0.37
CUP Construction	Cranes	1	7.00	231	0.29
CUP Construction	Forklifts	3	8.00	89	0.20
CUP Construction	Generator Sets	1	8.00	84	0.74
CUP Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
CUP Construction	Welders	1	8.00	46	0.45
New Tower Grading	Excavators	1	8.00	158	0.38
New Tower Grading	Graders	1	8.00	187	0.41
New Tower Grading	Rubber Tired Dozers	1	8.00	247	0.40
New Tower Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building I Renovation	Cranes	0	7.00	231	0.29
Building I Renovation	Forklifts	3	8.00	89	0.20
Building I Renovation	Generator Sets	1	8.00	84	0.74
Building I Renovation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building I Renovation	Welders	1	8.00	46	0.45
New Tower Construction	Cranes	1	7.00	231	0.29
New Tower Construction	Forklifts	3	8.00	89	0.20

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

New Tower Construction	Generator Sets	1	8.00	84	0.74
New Tower Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
New Tower Construction	Welders	1	8.00	46	0.45
Building A Canopy	Cranes	1	7.00	231	0.29
Building A Canopy	Forklifts	3	8.00	89	0.20
Building A Canopy	Generator Sets	1	8.00	84	0.74
Building A Canopy	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building A Canopy	Welders	1	8.00	46	0.45
Building A Renovations	Cranes	0	7.00	231	0.29
Building A Renovations	Forklifts	3	8.00	89	0.20
Building A Renovations	Generator Sets	1	8.00	84	0.74
Building A Renovations	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building A Renovations	Welders	1	8.00	46	0.45
New Tower Architectural Coatings	Air Compressors	1	6.00	78	0.48
South Parking Lot	Pavers	2	8.00	130	0.42
South Parking Lot	Paving Equipment	2	8.00	132	0.36
South Parking Lot	Rollers	2	8.00	80	0.38
Building A Construction Post Occupance	Cranes	0	7.00	231	0.29
Building A Construction Post Occupance	Forklifts	3	8.00	89	0.20
Building A Construction Post Occupance	Generator Sets	1	8.00	84	0.74
Building A Construction Post Occupance	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building A Construction Post Occupance	Welders	1	8.00	46	0.45
Buildings B-H Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Buildings B-H Demolition	Excavators	3	8.00	158	0.38
Buildings B-H Demolition	Rubber Tired Dozers	2	8.00	247	0.40
East Parking Lot	Pavers	2	8.00	130	0.42

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

East Parking Lot	Paving Equipment	2	8.00	132	0.36
East Parking Lot	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building A Remodel	5	159.00	73.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building C Demolition	6	15.00	0.00	240.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
CUP Site Clearing	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Tower Site Prep	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
CUP Construction	9	159.00	73.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Tower Grading	6	15.00	0.00	3,188.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building I Renovation	5	159.00	73.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Tower Construction	9	159.00	73.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building A Canopy	9	159.00	73.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building A Renovations	5	159.00	73.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
New Tower Architectural Coatings	1	32.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South Parking Lot	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building A Construction Post Occ	5	159.00	73.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Buildings B-H Demolition	6	15.00	0.00	432.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
East Parking Lot	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.2 Building A Remodel - 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	0.0676	0.5297	0.5745	8.8000e-004		0.0318	0.0318		0.0305	0.0305	0.0000	74.5815	74.5815	0.0119	0.0000	74.8776
Total	0.0676	0.5297	0.5745	8.8000e-004		0.0318	0.0318		0.0305	0.0305	0.0000	74.5815	74.5815	0.0119	0.0000	74.8776

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0134	0.4556	0.1130	1.1900e-003	0.0297	9.2000e-004	0.0306	8.5600e-003	8.8000e-004	9.4400e-003	0.0000	114.9564	114.9564	7.2700e-003	0.0000	115.1381
Worker	0.0428	0.0316	0.3574	1.0800e-003	0.1125	8.4000e-004	0.1134	0.0299	7.8000e-004	0.0307	0.0000	98.0077	98.0077	2.6300e-003	0.0000	98.0734
Total	0.0561	0.4872	0.4703	2.2700e-003	0.1422	1.7600e-003	0.1440	0.0384	1.6600e-003	0.0401	0.0000	212.9641	212.9641	9.9000e-003	0.0000	213.2116

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.2 Building A Remodel - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0676	0.5297	0.5745	8.8000e-004		0.0318	0.0318		0.0305	0.0305	0.0000	74.5814	74.5814	0.0119	0.0000	74.8775
Total	0.0676	0.5297	0.5745	8.8000e-004		0.0318	0.0318		0.0305	0.0305	0.0000	74.5814	74.5814	0.0119	0.0000	74.8775

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0134	0.4556	0.1130	1.1900e-003	0.0297	9.2000e-004	0.0306	8.5600e-003	8.8000e-004	9.4400e-003	0.0000	114.9564	114.9564	7.2700e-003	0.0000	115.1381
Worker	0.0428	0.0316	0.3574	1.0800e-003	0.1125	8.4000e-004	0.1134	0.0299	7.8000e-004	0.0307	0.0000	98.0077	98.0077	2.6300e-003	0.0000	98.0734
Total	0.0561	0.4872	0.4703	2.2700e-003	0.1422	1.7600e-003	0.1440	0.0384	1.6600e-003	0.0401	0.0000	212.9641	212.9641	9.9000e-003	0.0000	213.2116

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.3 Building C Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0124	0.0000	0.0124	1.8800e-003	0.0000	1.8800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0712	0.7074	0.4852	8.7000e-004		0.0349	0.0349		0.0324	0.0324	0.0000	76.5018	76.5018	0.0215	0.0000	77.0401
Total	0.0712	0.7074	0.4852	8.7000e-004	0.0124	0.0349	0.0474	1.8800e-003	0.0324	0.0343	0.0000	76.5018	76.5018	0.0215	0.0000	77.0401

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.2000e-004	0.0150	3.1800e-003	4.0000e-005	1.8000e-003	5.0000e-005	1.8400e-003	4.7000e-004	4.0000e-005	5.1000e-004	0.0000	4.2896	4.2896	2.9000e-004	0.0000	4.2969
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4100e-003	1.0400e-003	0.0118	4.0000e-005	3.7000e-003	3.0000e-005	3.7300e-003	9.8000e-004	3.0000e-005	1.0100e-003	0.0000	3.2254	3.2254	9.0000e-005	0.0000	3.2275
Total	1.8300e-003	0.0160	0.0149	8.0000e-005	5.5000e-003	8.0000e-005	5.5700e-003	1.4500e-003	7.0000e-005	1.5200e-003	0.0000	7.5149	7.5149	3.8000e-004	0.0000	7.5244

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.3 Building C Demolition - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.6000e-003	0.0000	5.6000e-003	8.5000e-004	0.0000	8.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0712	0.7074	0.4852	8.7000e-004		0.0349	0.0349		0.0324	0.0324	0.0000	76.5017	76.5017	0.0215	0.0000	77.0400
Total	0.0712	0.7074	0.4852	8.7000e-004	5.6000e-003	0.0349	0.0405	8.5000e-004	0.0324	0.0333	0.0000	76.5017	76.5017	0.0215	0.0000	77.0400

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.2000e-004	0.0150	3.1800e-003	4.0000e-005	1.8000e-003	5.0000e-005	1.8400e-003	4.7000e-004	4.0000e-005	5.1000e-004	0.0000	4.2896	4.2896	2.9000e-004	0.0000	4.2969
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4100e-003	1.0400e-003	0.0118	4.0000e-005	3.7000e-003	3.0000e-005	3.7300e-003	9.8000e-004	3.0000e-005	1.0100e-003	0.0000	3.2254	3.2254	9.0000e-005	0.0000	3.2275
Total	1.8300e-003	0.0160	0.0149	8.0000e-005	5.5000e-003	8.0000e-005	5.5700e-003	1.4500e-003	7.0000e-005	1.5200e-003	0.0000	7.5149	7.5149	3.8000e-004	0.0000	7.5244

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.3 Building C Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0136	0.0000	0.0136	2.0500e-003	0.0000	2.0500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0647	0.6301	0.5046	9.5000e-004		0.0305	0.0305		0.0283	0.0283	0.0000	83.2761	83.2761	0.0234	0.0000	83.8608
Total	0.0647	0.6301	0.5046	9.5000e-004	0.0136	0.0305	0.0440	2.0500e-003	0.0283	0.0304	0.0000	83.2761	83.2761	0.0234	0.0000	83.8608

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.4000e-004	0.0151	3.4100e-003	5.0000e-005	1.8200e-003	4.0000e-005	1.8600e-003	4.8000e-004	4.0000e-005	5.2000e-004	0.0000	4.6154	4.6154	3.1000e-004	0.0000	4.6233
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4400e-003	1.0200e-003	0.0118	4.0000e-005	4.0300e-003	3.0000e-005	4.0600e-003	1.0700e-003	3.0000e-005	1.1000e-003	0.0000	3.3861	3.3861	9.0000e-005	0.0000	3.3883
Total	1.8800e-003	0.0161	0.0152	9.0000e-005	5.8500e-003	7.0000e-005	5.9200e-003	1.5500e-003	7.0000e-005	1.6200e-003	0.0000	8.0016	8.0016	4.0000e-004	0.0000	8.0116

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.3 Building C Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					6.1000e-003	0.0000	6.1000e-003	9.2000e-004	0.0000	9.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0647	0.6301	0.5046	9.5000e-004		0.0304	0.0304		0.0283	0.0283	0.0000	83.2760	83.2760	0.0234	0.0000	83.8607
Total	0.0647	0.6301	0.5046	9.5000e-004	6.1000e-003	0.0304	0.0365	9.2000e-004	0.0283	0.0292	0.0000	83.2760	83.2760	0.0234	0.0000	83.8607

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.4000e-004	0.0151	3.4100e-003	5.0000e-005	1.8200e-003	4.0000e-005	1.8600e-003	4.8000e-004	4.0000e-005	5.2000e-004	0.0000	4.6154	4.6154	3.1000e-004	0.0000	4.6233
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4400e-003	1.0200e-003	0.0118	4.0000e-005	4.0300e-003	3.0000e-005	4.0600e-003	1.0700e-003	3.0000e-005	1.1000e-003	0.0000	3.3861	3.3861	9.0000e-005	0.0000	3.3883
Total	1.8800e-003	0.0161	0.0152	9.0000e-005	5.8500e-003	7.0000e-005	5.9200e-003	1.5500e-003	7.0000e-005	1.6200e-003	0.0000	8.0016	8.0016	4.0000e-004	0.0000	8.0116

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.4 CUP Site Clearing - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0662	0.0000	0.0662	0.0364	0.0000	0.0364	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0110	0.1152	0.0640	1.3000e-004		5.5800e-003	5.5800e-003		5.1400e-003	5.1400e-003	0.0000	11.2591	11.2591	3.6400e-003	0.0000	11.3501
Total	0.0110	0.1152	0.0640	1.3000e-004	0.0662	5.5800e-003	0.0718	0.0364	5.1400e-003	0.0416	0.0000	11.2591	11.2591	3.6400e-003	0.0000	11.3501

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.5000e-004	1.7700e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5068	0.5068	1.0000e-005	0.0000	0.5071
Total	2.2000e-004	1.5000e-004	1.7700e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5068	0.5068	1.0000e-005	0.0000	0.5071

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.4 CUP Site Clearing - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0298	0.0000	0.0298	0.0164	0.0000	0.0164	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0110	0.1152	0.0640	1.3000e-004		5.5800e-003	5.5800e-003		5.1400e-003	5.1400e-003	0.0000	11.2591	11.2591	3.6400e-003	0.0000	11.3501
Total	0.0110	0.1152	0.0640	1.3000e-004	0.0298	5.5800e-003	0.0354	0.0164	5.1400e-003	0.0215	0.0000	11.2591	11.2591	3.6400e-003	0.0000	11.3501

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.5000e-004	1.7700e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5068	0.5068	1.0000e-005	0.0000	0.5071
Total	2.2000e-004	1.5000e-004	1.7700e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5068	0.5068	1.0000e-005	0.0000	0.5071

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.5 New Tower Site Prep - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1355	0.0000	0.1355	0.0745	0.0000	0.0745	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0238	0.2481	0.1477	2.9000e-004		0.0121	0.0121		0.0111	0.0111	0.0000	25.0795	25.0795	8.1100e-003	0.0000	25.2823
Total	0.0238	0.2481	0.1477	2.9000e-004	0.1355	0.0121	0.1476	0.0745	0.0111	0.0856	0.0000	25.0795	25.0795	8.1100e-003	0.0000	25.2823

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	3.8000e-004	4.3400e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2439	1.2439	3.0000e-005	0.0000	1.2447
Total	5.3000e-004	3.8000e-004	4.3400e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2439	1.2439	3.0000e-005	0.0000	1.2447

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.5 New Tower Site Prep - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0610	0.0000	0.0610	0.0335	0.0000	0.0335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0238	0.2481	0.1477	2.9000e-004		0.0121	0.0121		0.0111	0.0111	0.0000	25.0795	25.0795	8.1100e-003	0.0000	25.2823
Total	0.0238	0.2481	0.1477	2.9000e-004	0.0610	0.0121	0.0731	0.0335	0.0111	0.0447	0.0000	25.0795	25.0795	8.1100e-003	0.0000	25.2823

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	3.8000e-004	4.3400e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2439	1.2439	3.0000e-005	0.0000	1.2447
Total	5.3000e-004	3.8000e-004	4.3400e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2439	1.2439	3.0000e-005	0.0000	1.2447

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.6 CUP 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	0.1715	1.5694	1.6445	2.7100e-003		0.0813	0.0813		0.0765	0.0765	0.0000	232.8839	232.8839	0.0558	0.0000	234.2787
Total	0.1715	1.5694	1.6445	2.7100e-003		0.0813	0.0813		0.0765	0.0765	0.0000	232.8839	232.8839	0.0558	0.0000	234.2787

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0196	0.6731	0.1663	1.8300e-003	0.0462	1.2400e-003	0.0475	0.0133	1.1800e-003	0.0145	0.0000	177.5410	177.5410	0.0109	0.0000	177.8136
Worker	0.0626	0.0445	0.5142	1.6300e-003	0.1753	1.2800e-003	0.1766	0.0466	1.1800e-003	0.0477	0.0000	147.2346	147.2346	3.7000e-003	0.0000	147.3271
Total	0.0821	0.7176	0.6805	3.4600e-003	0.2216	2.5200e-003	0.2241	0.0599	2.3600e-003	0.0623	0.0000	324.7757	324.7757	0.0146	0.0000	325.1407

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.6 CUP Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1715	1.5694	1.6445	2.7100e-003		0.0813	0.0813		0.0765	0.0765	0.0000	232.8836	232.8836	0.0558	0.0000	234.2784
Total	0.1715	1.5694	1.6445	2.7100e-003		0.0813	0.0813		0.0765	0.0765	0.0000	232.8836	232.8836	0.0558	0.0000	234.2784

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0196	0.6731	0.1663	1.8300e-003	0.0462	1.2400e-003	0.0475	0.0133	1.1800e-003	0.0145	0.0000	177.5410	177.5410	0.0109	0.0000	177.8136
Worker	0.0626	0.0445	0.5142	1.6300e-003	0.1753	1.2800e-003	0.1766	0.0466	1.1800e-003	0.0477	0.0000	147.2346	147.2346	3.7000e-003	0.0000	147.3271
Total	0.0821	0.7176	0.6805	3.4600e-003	0.2216	2.5200e-003	0.2241	0.0599	2.3600e-003	0.0623	0.0000	324.7757	324.7757	0.0146	0.0000	325.1407

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.6 CUP 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	0.0716	0.6545	0.7391	1.2300e-003		0.0318	0.0318		0.0300	0.0300	0.0000	105.4712	105.4712	0.0251	0.0000	106.0984
Total	0.0716	0.6545	0.7391	1.2300e-003		0.0318	0.0318		0.0300	0.0300	0.0000	105.4712	105.4712	0.0251	0.0000	106.0984

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6100e-003	0.2293	0.0673	8.0000e-004	0.0209	2.6000e-004	0.0212	6.0400e-003	2.5000e-004	6.2900e-003	0.0000	77.9564	77.9564	4.2900e-003	0.0000	78.0637
Worker	0.0267	0.0182	0.2146	7.1000e-004	0.0794	5.6000e-004	0.0799	0.0211	5.2000e-004	0.0216	0.0000	64.1725	64.1725	1.5100e-003	0.0000	64.2102
Total	0.0333	0.2475	0.2820	1.5100e-003	0.1003	8.2000e-004	0.1011	0.0271	7.7000e-004	0.0279	0.0000	142.1289	142.1289	5.8000e-003	0.0000	142.2739

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.6 CUP Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0716	0.6545	0.7391	1.2300e-003		0.0318	0.0318		0.0300	0.0300	0.0000	105.4710	105.4710	0.0251	0.0000	106.0983
Total	0.0716	0.6545	0.7391	1.2300e-003		0.0318	0.0318		0.0300	0.0300	0.0000	105.4710	105.4710	0.0251	0.0000	106.0983

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6100e-003	0.2293	0.0673	8.0000e-004	0.0209	2.6000e-004	0.0212	6.0400e-003	2.5000e-004	6.2900e-003	0.0000	77.9564	77.9564	4.2900e-003	0.0000	78.0637
Worker	0.0267	0.0182	0.2146	7.1000e-004	0.0794	5.6000e-004	0.0799	0.0211	5.2000e-004	0.0216	0.0000	64.1725	64.1725	1.5100e-003	0.0000	64.2102
Total	0.0333	0.2475	0.2820	1.5100e-003	0.1003	8.2000e-004	0.1011	0.0271	7.7000e-004	0.0279	0.0000	142.1289	142.1289	5.8000e-003	0.0000	142.2739

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.7 New Tower 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					0.0984	0.0000	0.0984	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0292	0.3128	0.2291	4.4000e-004		0.0141	0.0141		0.0130	0.0130	0.0000	39.0822	39.0822	0.0126	0.0000	39.3982
Total	0.0292	0.3128	0.2291	4.4000e-004	0.0984	0.0141	0.1125	0.0505	0.0130	0.0635	0.0000	39.0822	39.0822	0.0126	0.0000	39.3982

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0111	0.3834	0.0870	1.2000e-003	0.0274	1.0800e-003	0.0285	7.5200e-003	1.0400e-003	8.5600e-003	0.0000	117.6121	117.6121	8.0000e-003	0.0000	117.8121
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	6.3000e-004	7.2400e-003	2.0000e-005	2.4700e-003	2.0000e-005	2.4900e-003	6.6000e-004	2.0000e-005	6.7000e-004	0.0000	2.0731	2.0731	5.0000e-005	0.0000	2.0745
Total	0.0120	0.3841	0.0943	1.2200e-003	0.0299	1.1000e-003	0.0310	8.1800e-003	1.0600e-003	9.2300e-003	0.0000	119.6853	119.6853	8.0500e-003	0.0000	119.8865

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.7 New Tower Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0443	0.0000	0.0443	0.0227	0.0000	0.0227	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0292	0.3128	0.2291	4.4000e-004		0.0141	0.0141		0.0130	0.0130	0.0000	39.0821	39.0821	0.0126	0.0000	39.3981
Total	0.0292	0.3128	0.2291	4.4000e-004	0.0443	0.0141	0.0584	0.0227	0.0130	0.0357	0.0000	39.0821	39.0821	0.0126	0.0000	39.3981

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0111	0.3834	0.0870	1.2000e-003	0.0274	1.0800e-003	0.0285	7.5200e-003	1.0400e-003	8.5600e-003	0.0000	117.6121	117.6121	8.0000e-003	0.0000	117.8121
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	6.3000e-004	7.2400e-003	2.0000e-005	2.4700e-003	2.0000e-005	2.4900e-003	6.6000e-004	2.0000e-005	6.7000e-004	0.0000	2.0731	2.0731	5.0000e-005	0.0000	2.0745
Total	0.0120	0.3841	0.0943	1.2200e-003	0.0299	1.1000e-003	0.0310	8.1800e-003	1.0600e-003	9.2300e-003	0.0000	119.6853	119.6853	8.0500e-003	0.0000	119.8865

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.8 Building I Renovation - 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	0.0777	0.6196	0.7243	1.1200e-003		0.0345	0.0345		0.0331	0.0331	0.0000	94.8168	94.8168	0.0147	0.0000	95.1851
Total	0.0777	0.6196	0.7243	1.1200e-003		0.0345	0.0345		0.0331	0.0331	0.0000	94.8168	94.8168	0.0147	0.0000	95.1851

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0160	0.5492	0.1357	1.4900e-003	0.0377	1.0100e-003	0.0387	0.0109	9.7000e-004	0.0119	0.0000	144.8594	144.8594	8.8900e-003	0.0000	145.0817
Worker	0.0510	0.0363	0.4195	1.3300e-003	0.1430	1.0400e-003	0.1441	0.0380	9.6000e-004	0.0390	0.0000	120.1317	120.1317	3.0200e-003	0.0000	120.2072
Total	0.0670	0.5855	0.5553	2.8200e-003	0.1808	2.0500e-003	0.1828	0.0489	1.9300e-003	0.0508	0.0000	264.9911	264.9911	0.0119	0.0000	265.2889

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.8 Building I Renovation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0777	0.6196	0.7243	1.1200e-003		0.0345	0.0345		0.0331	0.0331	0.0000	94.8167	94.8167	0.0147	0.0000	95.1850
Total	0.0777	0.6196	0.7243	1.1200e-003		0.0345	0.0345		0.0331	0.0331	0.0000	94.8167	94.8167	0.0147	0.0000	95.1850

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0160	0.5492	0.1357	1.4900e-003	0.0377	1.0100e-003	0.0387	0.0109	9.7000e-004	0.0119	0.0000	144.8594	144.8594	8.8900e-003	0.0000	145.0817
Worker	0.0510	0.0363	0.4195	1.3300e-003	0.1430	1.0400e-003	0.1441	0.0380	9.6000e-004	0.0390	0.0000	120.1317	120.1317	3.0200e-003	0.0000	120.2072
Total	0.0670	0.5855	0.5553	2.8200e-003	0.1808	2.0500e-003	0.1828	0.0489	1.9300e-003	0.0508	0.0000	264.9911	264.9911	0.0119	0.0000	265.2889

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.9 New Tower Construction - 2022

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0158	0.5425	0.1341	1.4800e-003	0.0373	1.0000e-003	0.0383	0.0108	9.5000e-004	0.0117	0.0000	143.0928	143.0928	8.7900e-003	0.0000	143.3124
Worker	0.0504	0.0358	0.4144	1.3100e-003	0.1413	1.0300e-003	0.1423	0.0375	9.5000e-004	0.0385	0.0000	118.6667	118.6667	2.9800e-003	0.0000	118.7412
Total	0.0662	0.5783	0.5485	2.7900e-003	0.1786	2.0300e-003	0.1806	0.0483	1.9000e-003	0.0502	0.0000	261.7595	261.7595	0.0118	0.0000	262.0537

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.9 New Tower Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1382	1.2649	1.3254	2.1800e-003		0.0655	0.0655		0.0617	0.0617	0.0000	187.6972	187.6972	0.0450	0.0000	188.8214
Total	0.1382	1.2649	1.3254	2.1800e-003		0.0655	0.0655		0.0617	0.0617	0.0000	187.6972	187.6972	0.0450	0.0000	188.8214

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0158	0.5425	0.1341	1.4800e-003	0.0373	1.0000e-003	0.0383	0.0108	9.5000e-004	0.0117	0.0000	143.0928	143.0928	8.7900e-003	0.0000	143.3124
Worker	0.0504	0.0358	0.4144	1.3100e-003	0.1413	1.0300e-003	0.1423	0.0375	9.5000e-004	0.0385	0.0000	118.6667	118.6667	2.9800e-003	0.0000	118.7412
Total	0.0662	0.5783	0.5485	2.7900e-003	0.1786	2.0300e-003	0.1806	0.0483	1.9000e-003	0.0502	0.0000	261.7595	261.7595	0.0118	0.0000	262.0537

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.9 New Tower Construction - 2023

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0189	0.6551	0.1924	2.3000e-003	0.0598	7.5000e-004	0.0606	0.0173	7.1000e-004	0.0180	0.0000	222.7327	222.7327	0.0123	0.0000	223.0392
Worker	0.0762	0.0520	0.6133	2.0300e-003	0.2268	1.6100e-003	0.2284	0.0602	1.4800e-003	0.0617	0.0000	183.3500	183.3500	4.3100e-003	0.0000	183.4577
Total	0.0951	0.7072	0.8056	4.3300e-003	0.2866	2.3600e-003	0.2890	0.0775	2.1900e-003	0.0797	0.0000	406.0827	406.0827	0.0166	0.0000	406.4969

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.9 New Tower Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0189	0.6551	0.1924	2.3000e-003	0.0598	7.5000e-004	0.0606	0.0173	7.1000e-004	0.0180	0.0000	222.7327	222.7327	0.0123	0.0000	223.0392
Worker	0.0762	0.0520	0.6133	2.0300e-003	0.2268	1.6100e-003	0.2284	0.0602	1.4800e-003	0.0617	0.0000	183.3500	183.3500	4.3100e-003	0.0000	183.4577
Total	0.0951	0.7072	0.8056	4.3300e-003	0.2866	2.3600e-003	0.2890	0.0775	2.1900e-003	0.0797	0.0000	406.0827	406.0827	0.0166	0.0000	406.4969

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.9 New Tower 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	0.1177	1.0755	1.2934	2.1600e-003		0.0491	0.0491		0.0462	0.0462	0.0000	185.4793	185.4793	0.0439	0.0000	186.5758
Total	0.1177	1.0755	1.2934	2.1600e-003		0.0491	0.0491		0.0462	0.0462	0.0000	185.4793	185.4793	0.0439	0.0000	186.5758

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0114	0.4022	0.1149	1.4100e-003	0.0368	4.5000e-004	0.0373	0.0106	4.3000e-004	0.0111	0.0000	136.5820	136.5820	7.4200e-003	0.0000	136.7676
Worker	0.0444	0.0292	0.3520	1.2100e-003	0.1396	9.8000e-004	0.1405	0.0371	9.0000e-004	0.0380	0.0000	109.1177	109.1177	2.4300e-003	0.0000	109.1784
Total	0.0558	0.4314	0.4669	2.6200e-003	0.1764	1.4300e-003	0.1778	0.0477	1.3300e-003	0.0490	0.0000	245.6997	245.6997	9.8500e-003	0.0000	245.9460

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.9 New Tower Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1177	1.0755	1.2933	2.1600e-003		0.0491	0.0491		0.0462	0.0462	0.0000	185.4791	185.4791	0.0439	0.0000	186.5756
Total	0.1177	1.0755	1.2933	2.1600e-003		0.0491	0.0491		0.0462	0.0462	0.0000	185.4791	185.4791	0.0439	0.0000	186.5756

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0114	0.4022	0.1149	1.4100e-003	0.0368	4.5000e-004	0.0373	0.0106	4.3000e-004	0.0111	0.0000	136.5820	136.5820	7.4200e-003	0.0000	136.7676
Worker	0.0444	0.0292	0.3520	1.2100e-003	0.1396	9.8000e-004	0.1405	0.0371	9.0000e-004	0.0380	0.0000	109.1177	109.1177	2.4300e-003	0.0000	109.1784
Total	0.0558	0.4314	0.4669	2.6200e-003	0.1764	1.4300e-003	0.1778	0.0477	1.3300e-003	0.0490	0.0000	245.6997	245.6997	9.8500e-003	0.0000	245.9460

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.10 Building A Canopy - 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	0.1164	1.0645	1.2021	1.9900e-003		0.0518	0.0518		0.0487	0.0487	0.0000	171.5355	171.5355	0.0408	0.0000	172.5557
Total	0.1164	1.0645	1.2021	1.9900e-003		0.0518	0.0518		0.0487	0.0487	0.0000	171.5355	171.5355	0.0408	0.0000	172.5557

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0108	0.3729	0.1095	1.3100e-003	0.0341	4.2000e-004	0.0345	9.8200e-003	4.1000e-004	0.0102	0.0000	126.7863	126.7863	6.9800e-003	0.0000	126.9608
Worker	0.0434	0.0296	0.3491	1.1500e-003	0.1291	9.2000e-004	0.1300	0.0343	8.4000e-004	0.0351	0.0000	104.3684	104.3684	2.4500e-003	0.0000	104.4298
Total	0.0541	0.4025	0.4586	2.4600e-003	0.1631	1.3400e-003	0.1645	0.0441	1.2500e-003	0.0454	0.0000	231.1547	231.1547	9.4300e-003	0.0000	231.3905

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.10 Building A Canopy - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1164	1.0645	1.2021	1.9900e-003		0.0518	0.0518		0.0487	0.0487	0.0000	171.5353	171.5353	0.0408	0.0000	172.5555
Total	0.1164	1.0645	1.2021	1.9900e-003		0.0518	0.0518		0.0487	0.0487	0.0000	171.5353	171.5353	0.0408	0.0000	172.5555

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0108	0.3729	0.1095	1.3100e-003	0.0341	4.2000e-004	0.0345	9.8200e-003	4.1000e-004	0.0102	0.0000	126.7863	126.7863	6.9800e-003	0.0000	126.9608
Worker	0.0434	0.0296	0.3491	1.1500e-003	0.1291	9.2000e-004	0.1300	0.0343	8.4000e-004	0.0351	0.0000	104.3684	104.3684	2.4500e-003	0.0000	104.4298
Total	0.0541	0.4025	0.4586	2.4600e-003	0.1631	1.3400e-003	0.1645	0.0441	1.2500e-003	0.0454	0.0000	231.1547	231.1547	9.4300e-003	0.0000	231.3905

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.11 Building A Renovations - 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	0.0642	0.5191	0.6498	1.0200e-003		0.0267	0.0267		0.0257	0.0257	0.0000	85.5664	85.5664	0.0130	0.0000	85.8914
Total	0.0642	0.5191	0.6498	1.0200e-003		0.0267	0.0267		0.0257	0.0257	0.0000	85.5664	85.5664	0.0130	0.0000	85.8914

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0108	0.3729	0.1095	1.3100e-003	0.0341	4.2000e-004	0.0345	9.8200e-003	4.1000e-004	0.0102	0.0000	126.7863	126.7863	6.9800e-003	0.0000	126.9608
Worker	0.0434	0.0296	0.3491	1.1500e-003	0.1291	9.2000e-004	0.1300	0.0343	8.4000e-004	0.0351	0.0000	104.3684	104.3684	2.4500e-003	0.0000	104.4298
Total	0.0541	0.4025	0.4586	2.4600e-003	0.1631	1.3400e-003	0.1645	0.0441	1.2500e-003	0.0454	0.0000	231.1547	231.1547	9.4300e-003	0.0000	231.3905

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.11 Building A Renovations - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0642	0.5191	0.6498	1.0200e-003		0.0267	0.0267		0.0257	0.0257	0.0000	85.5663	85.5663	0.0130	0.0000	85.8913
Total	0.0642	0.5191	0.6498	1.0200e-003		0.0267	0.0267		0.0257	0.0257	0.0000	85.5663	85.5663	0.0130	0.0000	85.8913

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0108	0.3729	0.1095	1.3100e-003	0.0341	4.2000e-004	0.0345	9.8200e-003	4.1000e-004	0.0102	0.0000	126.7863	126.7863	6.9800e-003	0.0000	126.9608
Worker	0.0434	0.0296	0.3491	1.1500e-003	0.1291	9.2000e-004	0.1300	0.0343	8.4000e-004	0.0351	0.0000	104.3684	104.3684	2.4500e-003	0.0000	104.4298
Total	0.0541	0.4025	0.4586	2.4600e-003	0.1631	1.3400e-003	0.1645	0.0441	1.2500e-003	0.0454	0.0000	231.1547	231.1547	9.4300e-003	0.0000	231.3905

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.12 New Tower Architectural Coatings - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1752					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.0500e-003	0.0547	0.0761	1.2000e-004		2.9700e-003	2.9700e-003		2.9700e-003	2.9700e-003	0.0000	10.7237	10.7237	6.4000e-004	0.0000	10.7397
Total	1.1832	0.0547	0.0761	1.2000e-004		2.9700e-003	2.9700e-003		2.9700e-003	2.9700e-003	0.0000	10.7237	10.7237	6.4000e-004	0.0000	10.7397

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9500e-003	3.3800e-003	0.0399	1.3000e-004	0.0148	1.0000e-004	0.0149	3.9200e-003	1.0000e-004	4.0100e-003	0.0000	11.9217	11.9217	2.8000e-004	0.0000	11.9288
Total	4.9500e-003	3.3800e-003	0.0399	1.3000e-004	0.0148	1.0000e-004	0.0149	3.9200e-003	1.0000e-004	4.0100e-003	0.0000	11.9217	11.9217	2.8000e-004	0.0000	11.9288

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.12 New Tower Architectural Coatings - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1752					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.0500e-003	0.0547	0.0761	1.2000e-004		2.9700e-003	2.9700e-003		2.9700e-003	2.9700e-003	0.0000	10.7237	10.7237	6.4000e-004	0.0000	10.7397
Total	1.1832	0.0547	0.0761	1.2000e-004		2.9700e-003	2.9700e-003		2.9700e-003	2.9700e-003	0.0000	10.7237	10.7237	6.4000e-004	0.0000	10.7397

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9500e-003	3.3800e-003	0.0399	1.3000e-004	0.0148	1.0000e-004	0.0149	3.9200e-003	1.0000e-004	4.0100e-003	0.0000	11.9217	11.9217	2.8000e-004	0.0000	11.9288
Total	4.9500e-003	3.3800e-003	0.0399	1.3000e-004	0.0148	1.0000e-004	0.0149	3.9200e-003	1.0000e-004	4.0100e-003	0.0000	11.9217	11.9217	2.8000e-004	0.0000	11.9288

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.13 South Parking Lot - 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	0.0311	0.3000	0.4607	7.2000e-004		0.0148	0.0148		0.0136	0.0136	0.0000	63.0836	63.0836	0.0204	0.0000	63.5936
Paving	3.5000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0346	0.3000	0.4607	7.2000e-004		0.0148	0.0148		0.0136	0.0136	0.0000	63.0836	63.0836	0.0204	0.0000	63.5936

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6500e-003	1.0800e-003	0.0131	4.0000e-005	5.1800e-003	4.0000e-005	5.2200e-003	1.3800e-003	3.0000e-005	1.4100e-003	0.0000	4.0533	4.0533	9.0000e-005	0.0000	4.0556
Total	1.6500e-003	1.0800e-003	0.0131	4.0000e-005	5.1800e-003	4.0000e-005	5.2200e-003	1.3800e-003	3.0000e-005	1.4100e-003	0.0000	4.0533	4.0533	9.0000e-005	0.0000	4.0556

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.13 South Parking Lot - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0311	0.3000	0.4607	7.2000e-004		0.0148	0.0148		0.0136	0.0136	0.0000	63.0835	63.0835	0.0204	0.0000	63.5936
Paving	3.5000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0346	0.3000	0.4607	7.2000e-004		0.0148	0.0148		0.0136	0.0136	0.0000	63.0835	63.0835	0.0204	0.0000	63.5936

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6500e-003	1.0800e-003	0.0131	4.0000e-005	5.1800e-003	4.0000e-005	5.2200e-003	1.3800e-003	3.0000e-005	1.4100e-003	0.0000	4.0533	4.0533	9.0000e-005	0.0000	4.0556
Total	1.6500e-003	1.0800e-003	0.0131	4.0000e-005	5.1800e-003	4.0000e-005	5.2200e-003	1.3800e-003	3.0000e-005	1.4100e-003	0.0000	4.0533	4.0533	9.0000e-005	0.0000	4.0556

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.13 South Parking Lot - 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	0.0101	0.0944	0.1604	2.5000e-004		4.6000e-003	4.6000e-003		4.2400e-003	4.2400e-003	0.0000	22.0212	22.0212	7.1200e-003	0.0000	22.1992
Paving	1.2200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0113	0.0944	0.1604	2.5000e-004		4.6000e-003	4.6000e-003		4.2400e-003	4.2400e-003	0.0000	22.0212	22.0212	7.1200e-003	0.0000	22.1992

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	3.5000e-004	4.2400e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8200e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.3597	1.3597	3.0000e-005	0.0000	1.3604
Total	5.5000e-004	3.5000e-004	4.2400e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8200e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.3597	1.3597	3.0000e-005	0.0000	1.3604

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.13 South Parking Lot - 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	tons/yr										MT/yr					
Off-Road	0.0101	0.0944	0.1604	2.5000e-004		4.6000e-003	4.6000e-003		4.2400e-003	4.2400e-003	0.0000	22.0212	22.0212	7.1200e-003	0.0000	22.1992
Paving	1.2200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0113	0.0944	0.1604	2.5000e-004		4.6000e-003	4.6000e-003		4.2400e-003	4.2400e-003	0.0000	22.0212	22.0212	7.1200e-003	0.0000	22.1992

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	3.5000e-004	4.2400e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8200e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.3597	1.3597	3.0000e-005	0.0000	1.3604
Total	5.5000e-004	3.5000e-004	4.2400e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8200e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.3597	1.3597	3.0000e-005	0.0000	1.3604

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.14 Building A Construction Post Occupance - 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	0.0306	0.2539	0.3572	5.6000e-004		0.0110	0.0110		0.0106	0.0106	0.0000	47.4084	47.4084	6.9300e-003	0.0000	47.5817
Total	0.0306	0.2539	0.3572	5.6000e-004		0.0110	0.0110		0.0106	0.0106	0.0000	47.4084	47.4084	6.9300e-003	0.0000	47.5817

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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.6800e-003	0.2043	0.0573	7.2000e-004	0.0189	2.3000e-004	0.0191	5.4400e-003	2.2000e-004	5.6600e-003	0.0000	69.6053	69.6053	3.7400e-003	0.0000	69.6988
Worker	0.0217	0.0137	0.1675	5.9000e-004	0.0715	4.9000e-004	0.0720	0.0190	4.5000e-004	0.0195	0.0000	53.7199	53.7199	1.1300e-003	0.0000	53.7483
Total	0.0273	0.2180	0.2249	1.3100e-003	0.0904	7.2000e-004	0.0911	0.0244	6.7000e-004	0.0251	0.0000	123.3252	123.3252	4.8700e-003	0.0000	123.4471

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.14 Building A Construction Post Occupance - 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	tons/yr										MT/yr					
Off-Road	0.0306	0.2539	0.3572	5.6000e-004		0.0110	0.0110		0.0106	0.0106	0.0000	47.4083	47.4083	6.9300e-003	0.0000	47.5816
Total	0.0306	0.2539	0.3572	5.6000e-004		0.0110	0.0110		0.0106	0.0106	0.0000	47.4083	47.4083	6.9300e-003	0.0000	47.5816

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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.6800e-003	0.2043	0.0573	7.2000e-004	0.0189	2.3000e-004	0.0191	5.4400e-003	2.2000e-004	5.6600e-003	0.0000	69.6053	69.6053	3.7400e-003	0.0000	69.6988
Worker	0.0217	0.0137	0.1675	5.9000e-004	0.0715	4.9000e-004	0.0720	0.0190	4.5000e-004	0.0195	0.0000	53.7199	53.7199	1.1300e-003	0.0000	53.7483
Total	0.0273	0.2180	0.2249	1.3100e-003	0.0904	7.2000e-004	0.0911	0.0244	6.7000e-004	0.0251	0.0000	123.3252	123.3252	4.8700e-003	0.0000	123.4471

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.15 Buildings B-H Demolition - 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					
Fugitive Dust					0.0468	0.0000	0.0468	7.0800e-003	0.0000	7.0800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1423	1.3054	1.3205	2.6400e-003		0.0580	0.0580		0.0539	0.0539	0.0000	231.1840	231.1840	0.0646	0.0000	232.7979
Total	0.1423	1.3054	1.3205	2.6400e-003	0.0468	0.0580	0.1048	7.0800e-003	0.0539	0.0609	0.0000	231.1840	231.1840	0.0646	0.0000	232.7979

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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-003	0.0327	0.0109	1.5000e-004	3.7100e-003	6.0000e-005	3.7700e-003	1.0200e-003	6.0000e-005	1.0800e-003	0.0000	15.1650	15.1650	9.9000e-004	0.0000	15.1897
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3900e-003	2.1400e-003	0.0262	9.0000e-005	0.0112	8.0000e-005	0.0113	2.9700e-003	7.0000e-005	3.0400e-003	0.0000	8.4053	8.4053	1.8000e-004	0.0000	8.4098
Total	4.3900e-003	0.0348	0.0371	2.4000e-004	0.0149	1.4000e-004	0.0150	3.9900e-003	1.3000e-004	4.1200e-003	0.0000	23.5703	23.5703	1.1700e-003	0.0000	23.5995

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.15 Buildings B-H Demolition - 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	tons/yr										MT/yr					
Fugitive Dust					0.0210	0.0000	0.0210	3.1900e-003	0.0000	3.1900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1423	1.3054	1.3205	2.6400e-003		0.0580	0.0580		0.0539	0.0539	0.0000	231.1838	231.1838	0.0646	0.0000	232.7976
Total	0.1423	1.3054	1.3205	2.6400e-003	0.0210	0.0580	0.0790	3.1900e-003	0.0539	0.0570	0.0000	231.1838	231.1838	0.0646	0.0000	232.7976

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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-003	0.0327	0.0109	1.5000e-004	3.7100e-003	6.0000e-005	3.7700e-003	1.0200e-003	6.0000e-005	1.0800e-003	0.0000	15.1650	15.1650	9.9000e-004	0.0000	15.1897
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3900e-003	2.1400e-003	0.0262	9.0000e-005	0.0112	8.0000e-005	0.0113	2.9700e-003	7.0000e-005	3.0400e-003	0.0000	8.4053	8.4053	1.8000e-004	0.0000	8.4098
Total	4.3900e-003	0.0348	0.0371	2.4000e-004	0.0149	1.4000e-004	0.0150	3.9900e-003	1.3000e-004	4.1200e-003	0.0000	23.5703	23.5703	1.1700e-003	0.0000	23.5995

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.16 East Parking Lot - 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	5.9500e-003	0.0558	0.0948	1.5000e-004		2.7200e-003	2.7200e-003		2.5000e-003	2.5000e-003	0.0000	13.0125	13.0125	4.2100e-003	0.0000	13.1177
Paving	6.7000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.6200e-003	0.0558	0.0948	1.5000e-004		2.7200e-003	2.7200e-003		2.5000e-003	2.5000e-003	0.0000	13.0125	13.0125	4.2100e-003	0.0000	13.1177

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.0000e-004	2.5100e-003	1.0000e-005	1.0700e-003	1.0000e-005	1.0800e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.8035	0.8035	2.0000e-005	0.0000	0.8039
Total	3.2000e-004	2.0000e-004	2.5100e-003	1.0000e-005	1.0700e-003	1.0000e-005	1.0800e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.8035	0.8035	2.0000e-005	0.0000	0.8039

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.16 East Parking Lot - 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	tons/yr										MT/yr					
Off-Road	5.9500e-003	0.0558	0.0948	1.5000e-004		2.7200e-003	2.7200e-003		2.5000e-003	2.5000e-003	0.0000	13.0125	13.0125	4.2100e-003	0.0000	13.1177
Paving	6.7000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.6200e-003	0.0558	0.0948	1.5000e-004		2.7200e-003	2.7200e-003		2.5000e-003	2.5000e-003	0.0000	13.0125	13.0125	4.2100e-003	0.0000	13.1177

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.0000e-004	2.5100e-003	1.0000e-005	1.0700e-003	1.0000e-005	1.0800e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.8035	0.8035	2.0000e-005	0.0000	0.8039
Total	3.2000e-004	2.0000e-004	2.5100e-003	1.0000e-005	1.0700e-003	1.0000e-005	1.0800e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.8035	0.8035	2.0000e-005	0.0000	0.8039

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.16 East Parking Lot - 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	0.0362	0.3390	0.5758	9.0000e-004		0.0165	0.0165		0.0152	0.0152	0.0000	79.0761	79.0761	0.0256	0.0000	79.7154
Paving	4.0500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0402	0.3390	0.5758	9.0000e-004		0.0165	0.0165		0.0152	0.0152	0.0000	79.0761	79.0761	0.0256	0.0000	79.7154

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8800e-003	1.1400e-003	0.0142	5.0000e-005	6.5000e-003	4.0000e-005	6.5400e-003	1.7300e-003	4.0000e-005	1.7700e-003	0.0000	4.7094	4.7094	9.0000e-005	0.0000	4.7118
Total	1.8800e-003	1.1400e-003	0.0142	5.0000e-005	6.5000e-003	4.0000e-005	6.5400e-003	1.7300e-003	4.0000e-005	1.7700e-003	0.0000	4.7094	4.7094	9.0000e-005	0.0000	4.7118

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

3.16 East Parking Lot - 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	tons/yr										MT/yr					
Off-Road	0.0362	0.3390	0.5758	9.0000e-004		0.0165	0.0165		0.0152	0.0152	0.0000	79.0760	79.0760	0.0256	0.0000	79.7153
Paving	4.0500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0402	0.3390	0.5758	9.0000e-004		0.0165	0.0165		0.0152	0.0152	0.0000	79.0760	79.0760	0.0256	0.0000	79.7153

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8800e-003	1.1400e-003	0.0142	5.0000e-005	6.5000e-003	4.0000e-005	6.5400e-003	1.7300e-003	4.0000e-005	1.7700e-003	0.0000	4.7094	4.7094	9.0000e-005	0.0000	4.7118
Total	1.8800e-003	1.1400e-003	0.0142	5.0000e-005	6.5000e-003	4.0000e-005	6.5400e-003	1.7300e-003	4.0000e-005	1.7700e-003	0.0000	4.7094	4.7094	9.0000e-005	0.0000	4.7118

4.0 Operational Detail - Mobile

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

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	0.4832	2.5312	6.8527	0.0306	2.9043	0.0216	2.9259	0.7781	0.0201	0.7981	0.0000	2,833.1376	2,833.1376	0.1181	0.0000	2,836.0888
Unmitigated	0.4832	2.5312	6.8527	0.0306	2.9043	0.0216	2.9259	0.7781	0.0201	0.7981	0.0000	2,833.1376	2,833.1376	0.1181	0.0000	2,836.0888

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hospital	2,232.00	1,404.00	1240.00	7,645,132	7,645,132
Parking Lot	0.00	0.00	0.00		
Total	2,232.00	1,404.00	1,240.00	7,645,132	7,645,132

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	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.551582	0.041972	0.204917	0.113538	0.013798	0.005777	0.022002	0.036198	0.002156	0.001623	0.004914	0.000716	0.000809
Parking Lot	0.551582	0.041972	0.204917	0.113538	0.013798	0.005777	0.022002	0.036198	0.002156	0.001623	0.004914	0.000716	0.000809

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
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	844.5571	844.5571	0.0350	7.7700e-003	847.7463
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	913.1361	913.1361	0.0378	8.4000e-003	916.5842
NaturalGas Mitigated	0.0911	0.8285	0.6959	4.9700e-003		0.0630	0.0630		0.0630	0.0630	0.0000	901.8640	901.8640	0.0173	0.0165	907.2233
NaturalGas Unmitigated	0.1011	0.9189	0.7719	5.5100e-003		0.0698	0.0698		0.0698	0.0698	0.0000	1,000.3554	1,000.3554	0.0192	0.0183	1,006.3000

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hospital	1.8746e+007	0.1011	0.9189	0.7719	5.5100e-003		0.0698	0.0698		0.0698	0.0698	0.0000	1,000.3554	1,000.3554	0.0192	0.0183	1,006.3000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1011	0.9189	0.7719	5.5100e-003		0.0698	0.0698		0.0698	0.0698	0.0000	1,000.3554	1,000.3554	0.0192	0.0183	1,006.3000

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	1.69003e+007	0.0911	0.8285	0.6959	4.9700e-003		0.0630	0.0630		0.0630	0.0630	0.0000	901.8640	901.8640	0.0173	0.0165	907.2233
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0911	0.8285	0.6959	4.9700e-003		0.0630	0.0630		0.0630	0.0630	0.0000	901.8640	901.8640	0.0173	0.0165	907.2233

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hospital	4.57479e+006	902.3107	0.0374	8.3000e-003	905.7180
Parking Lot	54885.6	10.8254	4.5000e-004	1.0000e-004	10.8663
Total		913.1361	0.0378	8.4000e-003	916.5842

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hospital	4.23296e+006	834.8900	0.0346	7.6800e-003	838.0427
Parking Lot	49012.8	9.6671	4.0000e-004	9.0000e-005	9.7036
Total		844.5571	0.0350	7.7700e-003	847.7463

6.0 Area Detail

6.1 Mitigation Measures Area

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0247	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5700e-003	2.5700e-003	1.0000e-005	0.0000	2.7400e-003
Unmitigated	1.0247	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5700e-003	2.5700e-003	1.0000e-005	0.0000	2.7400e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1175					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9071					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2000e-004	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5700e-003	2.5700e-003	1.0000e-005	0.0000	2.7400e-003
Total	1.0247	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5700e-003	2.5700e-003	1.0000e-005	0.0000	2.7400e-003

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1175					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9071					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2000e-004	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5700e-003	2.5700e-003	1.0000e-005	0.0000	2.7400e-003
Total	1.0247	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5700e-003	2.5700e-003	1.0000e-005	0.0000	2.7400e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	24.4810	0.2351	5.7300e-003	32.0654
Unmitigated	29.6641	0.2938	7.1600e-003	39.1410

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hospital	8.98136 / 1.71074	29.6641	0.2938	7.1600e-003	39.1410
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		29.6641	0.2938	7.1600e-003	39.1410

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hospital	7.18509 / 1.71074	24.4810	0.2351	5.7300e-003	32.0654
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		24.4810	0.2351	5.7300e-003	32.0654

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	59.2734	3.5030	0.0000	146.8472
Unmitigated	59.2734	3.5030	0.0000	146.8472

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hospital	292	59.2734	3.5030	0.0000	146.8472
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		59.2734	3.5030	0.0000	146.8472

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hospital	292	59.2734	3.5030	0.0000	146.8472
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		59.2734	3.5030	0.0000	146.8472

9.0 Operational Offroad

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

9790 Inland Valley Medical Center - South Coast AQMD Air District, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

9790 Inland Valley Medical Center - Existing Hospital to be Removed
South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	18.00	Bed	0.30	107,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	434.83	CH4 Intensity (lb/MW hr)	0.018	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

Project Characteristics - Intensity factors adjusted to reflect So Cal Edison RPS procurement

Land Use - Building C - 12,800 sf

Buildings B-H - 95,000 sf

107,800 sf

Construction Phase - Existing use - no construction

Off-road Equipment -

Trips and VMT -

Demolition -

Grading -

Vehicle Trips - 22.32 trips/weekday

Default trip length

Energy Use -

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	12,883.64	107,800.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.018
tblProjectCharacteristics	CO2IntensityFactor	702.44	434.83
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblVehicleTrips	ST_TR	8.14	14.04
tblVehicleTrips	SU_TR	7.19	12.40
tblVehicleTrips	WD_TR	12.94	22.32

2.0 Emissions Summary

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	11-11-2020	2-10-2021	0.3568	0.3568
2	2-11-2021	5-10-2021	0.7734	0.7734
		Highest	0.7734	0.7734

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	0.4395	0.0000	2.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.5000e-004	4.5000e-004	0.0000	0.0000	4.8000e-004
Energy	0.0484	0.4400	0.3696	2.6400e-003		0.0334	0.0334		0.0334	0.0334	0.0000	908.3002	908.3002	0.0270	0.0127	912.7678
Mobile	0.0870	0.4556	1.2335	5.5000e-003	0.5228	3.8900e-003	0.5267	0.1401	3.6100e-003	0.1437	0.0000	509.9648	509.9648	0.0213	0.0000	510.4960
Waste						0.0000	0.0000		0.0000	0.0000	10.6692	0.0000	10.6692	0.6305	0.0000	26.4325
Water						0.0000	0.0000		0.0000	0.0000	0.5129	4.8266	5.3395	0.0529	1.2900e-003	7.0454
Total	0.5749	0.8956	1.6033	8.1400e-003	0.5228	0.0373	0.5601	0.1401	0.0371	0.1771	11.1821	1,423.0921	1,434.2742	0.7316	0.0140	1,456.7422

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4395	0.0000	2.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.5000e-004	4.5000e-004	0.0000	0.0000	4.8000e-004
Energy	0.0484	0.4400	0.3696	2.6400e-003		0.0334	0.0334		0.0334	0.0334	0.0000	908.3002	908.3002	0.0270	0.0127	912.7678
Mobile	0.0870	0.4556	1.2335	5.5000e-003	0.5228	3.8900e-003	0.5267	0.1401	3.6100e-003	0.1437	0.0000	509.9648	509.9648	0.0213	0.0000	510.4960
Waste						0.0000	0.0000		0.0000	0.0000	10.6692	0.0000	10.6692	0.6305	0.0000	26.4325
Water						0.0000	0.0000		0.0000	0.0000	0.5129	4.8266	5.3395	0.0529	1.2900e-003	7.0454
Total	0.5749	0.8956	1.6033	8.1400e-003	0.5228	0.0373	0.5601	0.1401	0.0371	0.1771	11.1821	1,423.0921	1,434.2742	0.7316	0.0140	1,456.7422

	ROG	NOx	CO	SO2	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

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/11/2020	11/24/2020	5	10	
2	Site Preparation	Site Preparation	11/25/2020	11/25/2020	5	1	
3	Grading	Grading	11/26/2020	11/27/2020	5	2	
4	Building Construction	Building Construction	11/28/2020	4/16/2021	5	100	
5	Paving	Paving	4/17/2021	4/23/2021	5	5	
6	Architectural Coating	Architectural Coating	4/24/2021	4/30/2021	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: 161,700; Non-Residential Outdoor: 53,900; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	35.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.3400e-003	0.0394	0.0381	6.0000e-005		2.3400e-003	2.3400e-003		2.2300e-003	2.2300e-003	0.0000	5.2038	5.2038	9.8000e-004	0.0000	5.2284
Total	4.3400e-003	0.0394	0.0381	6.0000e-005		2.3400e-003	2.3400e-003		2.2300e-003	2.2300e-003	0.0000	5.2038	5.2038	9.8000e-004	0.0000	5.2284

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.7000e-004	1.8900e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4938	0.4938	1.0000e-005	0.0000	0.4942
Total	2.2000e-004	1.7000e-004	1.8900e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4938	0.4938	1.0000e-005	0.0000	0.4942

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.3400e-003	0.0394	0.0381	6.0000e-005		2.3400e-003	2.3400e-003		2.2300e-003	2.2300e-003	0.0000	5.2038	5.2038	9.8000e-004	0.0000	5.2284
Total	4.3400e-003	0.0394	0.0381	6.0000e-005		2.3400e-003	2.3400e-003		2.2300e-003	2.2300e-003	0.0000	5.2038	5.2038	9.8000e-004	0.0000	5.2284

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.7000e-004	1.8900e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4938	0.4938	1.0000e-005	0.0000	0.4942
Total	2.2000e-004	1.7000e-004	1.8900e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4938	0.4938	1.0000e-005	0.0000	0.4942

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					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	3.4000e-004	4.2200e-003	2.0500e-003	0.0000		1.7000e-004	1.7000e-004		1.5000e-004	1.5000e-004	0.0000	0.4280	0.4280	1.4000e-004	0.0000	0.4314
Total	3.4000e-004	4.2200e-003	2.0500e-003	0.0000	2.7000e-004	1.7000e-004	4.4000e-004	3.0000e-005	1.5000e-004	1.8000e-004	0.0000	0.4280	0.4280	1.4000e-004	0.0000	0.4314

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	9.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0247	0.0247	0.0000	0.0000	0.0247
Total	1.0000e-005	1.0000e-005	9.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0247	0.0247	0.0000	0.0000	0.0247

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.4000e-004	4.2200e-003	2.0500e-003	0.0000		1.7000e-004	1.7000e-004		1.5000e-004	1.5000e-004	0.0000	0.4280	0.4280	1.4000e-004	0.0000	0.4314
Total	3.4000e-004	4.2200e-003	2.0500e-003	0.0000	2.7000e-004	1.7000e-004	4.4000e-004	3.0000e-005	1.5000e-004	1.8000e-004	0.0000	0.4280	0.4280	1.4000e-004	0.0000	0.4314

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	9.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0247	0.0247	0.0000	0.0000	0.0247
Total	1.0000e-005	1.0000e-005	9.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0247	0.0247	0.0000	0.0000	0.0247

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					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	8.7000e-004	7.8700e-003	7.6200e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.5000e-004	4.5000e-004	0.0000	1.0408	1.0408	2.0000e-004	0.0000	1.0457
Total	8.7000e-004	7.8700e-003	7.6200e-003	1.0000e-005	7.5000e-004	4.7000e-004	1.2200e-003	4.1000e-004	4.5000e-004	8.6000e-004	0.0000	1.0408	1.0408	2.0000e-004	0.0000	1.0457

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

3.4 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.8000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0988	0.0988	0.0000	0.0000	0.0988
Total	4.0000e-005	3.0000e-005	3.8000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0988	0.0988	0.0000	0.0000	0.0988

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.7000e-004	7.8700e-003	7.6200e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.5000e-004	4.5000e-004	0.0000	1.0408	1.0408	2.0000e-004	0.0000	1.0457
Total	8.7000e-004	7.8700e-003	7.6200e-003	1.0000e-005	7.5000e-004	4.7000e-004	1.2200e-003	4.1000e-004	4.5000e-004	8.6000e-004	0.0000	1.0408	1.0408	2.0000e-004	0.0000	1.0457

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

3.4 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.8000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0988	0.0988	0.0000	0.0000	0.0988
Total	4.0000e-005	3.0000e-005	3.8000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0988	0.0988	0.0000	0.0000	0.0988

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0103	0.1062	0.0887	1.4000e-004		6.2700e-003	6.2700e-003		5.7700e-003	5.7700e-003	0.0000	12.0073	12.0073	3.8800e-003	0.0000	12.1043
Total	0.0103	0.1062	0.0887	1.4000e-004		6.2700e-003	6.2700e-003		5.7700e-003	5.7700e-003	0.0000	12.0073	12.0073	3.8800e-003	0.0000	12.1043

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.2000e-004	0.0231	5.7100e-003	5.0000e-005	1.3600e-003	1.1000e-004	1.4700e-003	3.9000e-004	1.1000e-004	5.0000e-004	0.0000	5.3126	5.3126	3.5000e-004	0.0000	5.3213
Worker	1.8700e-003	1.4400e-003	0.0159	5.0000e-005	4.6100e-003	4.0000e-005	4.6400e-003	1.2200e-003	3.0000e-005	1.2600e-003	0.0000	4.1482	4.1482	1.2000e-004	0.0000	4.1512
Total	2.5900e-003	0.0245	0.0216	1.0000e-004	5.9700e-003	1.5000e-004	6.1100e-003	1.6100e-003	1.4000e-004	1.7600e-003	0.0000	9.4608	9.4608	4.7000e-004	0.0000	9.4725

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0103	0.1062	0.0887	1.4000e-004		6.2700e-003	6.2700e-003		5.7700e-003	5.7700e-003	0.0000	12.0072	12.0072	3.8800e-003	0.0000	12.1043
Total	0.0103	0.1062	0.0887	1.4000e-004		6.2700e-003	6.2700e-003		5.7700e-003	5.7700e-003	0.0000	12.0072	12.0072	3.8800e-003	0.0000	12.1043

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.2000e-004	0.0231	5.7100e-003	5.0000e-005	1.3600e-003	1.1000e-004	1.4700e-003	3.9000e-004	1.1000e-004	5.0000e-004	0.0000	5.3126	5.3126	3.5000e-004	0.0000	5.3213
Worker	1.8700e-003	1.4400e-003	0.0159	5.0000e-005	4.6100e-003	4.0000e-005	4.6400e-003	1.2200e-003	3.0000e-005	1.2600e-003	0.0000	4.1482	4.1482	1.2000e-004	0.0000	4.1512
Total	2.5900e-003	0.0245	0.0216	1.0000e-004	5.9700e-003	1.5000e-004	6.1100e-003	1.6100e-003	1.4000e-004	1.7600e-003	0.0000	9.4608	9.4608	4.7000e-004	0.0000	9.4725

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0295	0.3034	0.2760	4.3000e-004		0.0170	0.0170		0.0157	0.0157	0.0000	38.0312	38.0312	0.0123	0.0000	38.3387
Total	0.0295	0.3034	0.2760	4.3000e-004		0.0170	0.0170		0.0157	0.0157	0.0000	38.0312	38.0312	0.0123	0.0000	38.3387

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9500e-003	0.0662	0.0164	1.7000e-004	4.3100e-003	1.3000e-004	4.4400e-003	1.2400e-003	1.3000e-004	1.3700e-003	0.0000	16.6996	16.6996	1.0600e-003	0.0000	16.7260
Worker	5.5400e-003	4.1000e-003	0.0464	1.4000e-004	0.0146	1.1000e-004	0.0147	3.8800e-003	1.0000e-004	3.9800e-003	0.0000	12.7103	12.7103	3.4000e-004	0.0000	12.7188
Total	7.4900e-003	0.0703	0.0628	3.1000e-004	0.0189	2.4000e-004	0.0191	5.1200e-003	2.3000e-004	5.3500e-003	0.0000	29.4099	29.4099	1.4000e-003	0.0000	29.4448

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0295	0.3034	0.2760	4.3000e-004		0.0170	0.0170		0.0157	0.0157	0.0000	38.0311	38.0311	0.0123	0.0000	38.3386
Total	0.0295	0.3034	0.2760	4.3000e-004		0.0170	0.0170		0.0157	0.0157	0.0000	38.0311	38.0311	0.0123	0.0000	38.3386

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9500e-003	0.0662	0.0164	1.7000e-004	4.3100e-003	1.3000e-004	4.4400e-003	1.2400e-003	1.3000e-004	1.3700e-003	0.0000	16.6996	16.6996	1.0600e-003	0.0000	16.7260
Worker	5.5400e-003	4.1000e-003	0.0464	1.4000e-004	0.0146	1.1000e-004	0.0147	3.8800e-003	1.0000e-004	3.9800e-003	0.0000	12.7103	12.7103	3.4000e-004	0.0000	12.7188
Total	7.4900e-003	0.0703	0.0628	3.1000e-004	0.0189	2.4000e-004	0.0191	5.1200e-003	2.3000e-004	5.3500e-003	0.0000	29.4099	29.4099	1.4000e-003	0.0000	29.4448

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.8000e-003	0.0168	0.0177	3.0000e-005		8.8000e-004	8.8000e-004		8.2000e-004	8.2000e-004	0.0000	2.3481	2.3481	6.8000e-004	0.0000	2.3652
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.8000e-003	0.0168	0.0177	3.0000e-005		8.8000e-004	8.8000e-004		8.2000e-004	8.2000e-004	0.0000	2.3481	2.3481	6.8000e-004	0.0000	2.3652

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4301	0.4301	1.0000e-005	0.0000	0.4303
Total	1.9000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4301	0.4301	1.0000e-005	0.0000	0.4303

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.8000e-003	0.0168	0.0177	3.0000e-005		8.8000e-004	8.8000e-004		8.2000e-004	8.2000e-004	0.0000	2.3481	2.3481	6.8000e-004	0.0000	2.3652
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.8000e-003	0.0168	0.0177	3.0000e-005		8.8000e-004	8.8000e-004		8.2000e-004	8.2000e-004	0.0000	2.3481	2.3481	6.8000e-004	0.0000	2.3652

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4301	0.4301	1.0000e-005	0.0000	0.4303
Total	1.9000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4301	0.4301	1.0000e-005	0.0000	0.4303

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4997					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5000e-004	3.8200e-003	4.5400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	0.5002	3.8200e-003	4.5400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	5.0000e-005	6.1000e-004	0.0000	1.9000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1672	0.1672	0.0000	0.0000	0.1674
Total	7.0000e-005	5.0000e-005	6.1000e-004	0.0000	1.9000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1672	0.1672	0.0000	0.0000	0.1674

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4997					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5000e-004	3.8200e-003	4.5400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	0.5002	3.8200e-003	4.5400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	5.0000e-005	6.1000e-004	0.0000	1.9000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1672	0.1672	0.0000	0.0000	0.1674
Total	7.0000e-005	5.0000e-005	6.1000e-004	0.0000	1.9000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1672	0.1672	0.0000	0.0000	0.1674

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0870	0.4556	1.2335	5.5000e-003	0.5228	3.8900e-003	0.5267	0.1401	3.6100e-003	0.1437	0.0000	509.9648	509.9648	0.0213	0.0000	510.4960
Unmitigated	0.0870	0.4556	1.2335	5.5000e-003	0.5228	3.8900e-003	0.5267	0.1401	3.6100e-003	0.1437	0.0000	509.9648	509.9648	0.0213	0.0000	510.4960

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hospital	401.76	252.72	223.20	1,376,124	1,376,124
Total	401.76	252.72	223.20	1,376,124	1,376,124

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	16.60	8.40	6.90	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	0.551582	0.041972	0.204917	0.113538	0.013798	0.005777	0.022002	0.036198	0.002156	0.001623	0.004914	0.000716	0.000809

5.0 Energy Detail

Historical Energy Use: Y

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	429.2797	429.2797	0.0178	3.9500e-003	430.9007
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	429.2797	429.2797	0.0178	3.9500e-003	430.9007
NaturalGas Mitigated	0.0484	0.4400	0.3696	2.6400e-003		0.0334	0.0334		0.0334	0.0334	0.0000	479.0205	479.0205	9.1800e-003	8.7800e-003	481.8671
NaturalGas Unmitigated	0.0484	0.4400	0.3696	2.6400e-003		0.0334	0.0334		0.0334	0.0334	0.0000	479.0205	479.0205	9.1800e-003	8.7800e-003	481.8671

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	8.97651e+006	0.0484	0.4400	0.3696	2.6400e-003		0.0334	0.0334		0.0334	0.0334	0.0000	479.0205	479.0205	9.1800e-003	8.7800e-003	481.8671
Total		0.0484	0.4400	0.3696	2.6400e-003		0.0334	0.0334		0.0334	0.0334	0.0000	479.0205	479.0205	9.1800e-003	8.7800e-003	481.8671

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hospital	8.97651e+006	0.0484	0.4400	0.3696	2.6400e-003		0.0334	0.0334		0.0334	0.0334	0.0000	479.0205	479.0205	9.1800e-003	8.7800e-003	481.8671
Total		0.0484	0.4400	0.3696	2.6400e-003		0.0334	0.0334		0.0334	0.0334	0.0000	479.0205	479.0205	9.1800e-003	8.7800e-003	481.8671

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hospital	2.17648e+006	429.2797	0.0178	3.9500e-003	430.9007
Total		429.2797	0.0178	3.9500e-003	430.9007

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hospital	2.17648e+006	429.2797	0.0178	3.9500e-003	430.9007
Total		429.2797	0.0178	3.9500e-003	430.9007

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4395	0.0000	2.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.5000e-004	4.5000e-004	0.0000	0.0000	4.8000e-004
Unmitigated	0.4395	0.0000	2.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.5000e-004	4.5000e-004	0.0000	0.0000	4.8000e-004

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0500					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3895					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.5000e-004	4.5000e-004	0.0000	0.0000	4.8000e-004
Total	0.4395	0.0000	2.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.5000e-004	4.5000e-004	0.0000	0.0000	4.8000e-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	tons/yr										MT/yr					
Architectural Coating	0.0500					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3895					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.5000e-004	4.5000e-004	0.0000	0.0000	4.8000e-004
Total	0.4395	0.0000	2.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.5000e-004	4.5000e-004	0.0000	0.0000	4.8000e-004

7.0 Water Detail

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.3395	0.0529	1.2900e-003	7.0454
Unmitigated	5.3395	0.0529	1.2900e-003	7.0454

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hospital	1.61665 / 0.307933	5.3395	0.0529	1.2900e-003	7.0454
Total		5.3395	0.0529	1.2900e-003	7.0454

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hospital	1.61665 / 0.307933	5.3395	0.0529	1.2900e-003	7.0454
Total		5.3395	0.0529	1.2900e-003	7.0454

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	10.6692	0.6305	0.0000	26.4325
Unmitigated	10.6692	0.6305	0.0000	26.4325

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hospital	52.56	10.6692	0.6305	0.0000	26.4325
Total		10.6692	0.6305	0.0000	26.4325

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hospital	52.56	10.6692	0.6305	0.0000	26.4325
Total		10.6692	0.6305	0.0000	26.4325

9.0 Operational Offroad

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

9790 Inland Valley Medical Center - Existing Hospital to be Removed - South Coast AQMD Air District, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation
