Appendix 5.2-1 Air Quality Analysis

Appendices

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Air Quality Analysis for the Inland Valley Medical Center Project Wildomar, California

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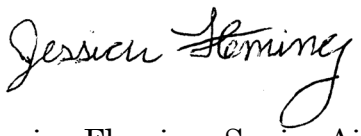
July 27, 2021



Jessica Fleming, Senior Air Quality Analyst

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TABLES

ATTACHMENTS

Acronyms

°F	degrees Fahrenheit
2016 AQMP	South Coast Air Quality Management District's 2016 Air Quality Management Plan
AAQS	Ambient Air Quality Standards
AB	Assembly Bill
APN	Assessor's Parcel Number
AQMP	Air Quality Management Plan
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CO	carbon monoxide
CO_2	carbon dioxide
EMFAC	2014 Emission Factor model
HEPA	high-efficiency particulate air
HQ	hazard quotient
kW	kilowatts
LST	Localized Significance Threshold
MERV	minimum efficiency reporting value
NAAQS	National Ambient Air Quality Standards
NO_2	nitrogen dioxide
NO_X	oxides of nitrogen
Pb	lead
PM_{10}	particulate matter less than 10 microns in diameter
$PM_{2.5}$	particulate matter less than 2.5 microns in diameter
project	Inland Valley Medical Center
REL	Reference Exposure Levels
ROG	reactive organic gases
SCAQMD	South Coast Air Quality Management District
SIP	State Implementation Plan
SO_2	sulfur dioxide
SoCAB	South Coast Air Basin
SRA	Source Receptor Areas
TAC	toxic air contaminant
U.S. EPA	U.S. Environmental Protection Agency
USC	United States Code
VOC	volatile organic compounds

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.

This analysis evaluates the significance of the proposed project in accordance with the California Environmental Quality Act, and guidance from the South Coast Air Quality Management District (SCAQMD). The project was evaluated to determine if it would (1) be inconsistent with the applicable air quality plan, (2) result in cumulative impacts to air quality, (3) impact sensitive receptors, or (4) expose a substantial number of people to objectionable odors.

The SCAQMD prepared the 2016 Air Quality Management Plan (AQMP), which represents its contribution to the State Implementation Plan, to outline the district's strategy for achieving attainment of federal and state Ambient Air Quality Standards (AAQS). The 2016 AQMP provides an overview of air quality and sources of air pollution, and identifies the pollution-control measures needed to meet clean air standards. The project would include the expansion and improvements to an existing hospital campus. While the project would increase the number of hospital beds on the project site, it would not result in regional growth. Rather, it would expand its operations to better serve the existing community. The project would not result in an exceedance of the growth forecasting used to develop the AQMP. Additionally, the project would not result in an air quality violation. Therefore, the project would not conflict with or obstruct the implementation of the 2016 AQMP or applicable portions of the SIP, and impacts would be less than significant.

As calculated in this analysis, project construction and operation would not exceed the SCAQMD's thresholds of significance. Therefore, the project would not result in regional emissions that would exceed the NAAQS or CAAQS or contribute to existing violations, and impacts would be less than significant.

Construction and operation of the project is not anticipated to result in the exposure of sensitive receptors to substantial pollutant concentrations. The project would include the construction of a new Central Utility Plant to replace the existing facility. The emergency generators and boilers would be stationary sources of emissions associated with the project. Emissions are not anticipated to exceed the SCAQMD's regional emissions significance thresholds; however, $PM_{2.5}$ emissions could potentially exceed the operational localized significance thresholds due to the emergency generators and boilers. Once the Central Utility Plant design is finalized and the exact equipment is selected, as a part of the final permitting process, the SCAQMD will review the emissions and emission rates for permitted equipment (including the emergency generators and boilers) and ensure that health risks are minimized.

Therefore, through implementation of the SCAQMD mandated permitting process, impacts to sensitive receptors would be less than significant. Additionally, with the design of the proposed filtration system, impacts to on-site sensitive receptors due to proximity to Interstate 15, the health risks to patients and hospital staff would be less than significant. During construction, potential odor sources associated with the project include diesel exhaust associated with construction equipment. Diesel exhaust may be noticeable; however, construction activities would be temporary, and would dissipate without affecting a substantial number of people. Operation of the project would not include any uses that would generate substantial odors. Therefore, the project would not generate odors adversely affecting a substantial number of people, and impacts would be less than significant.

1.0 Introduction

This report evaluates the significance of air quality impacts associated with the proposed Inland Valley Medical Center Project (project). This report characterizes existing conditions at the project site and in the region, identifies applicable rules and regulations, and assesses impacts to air quality from construction and operation of the proposed project. The significance of potential air quality impacts is assessed based on the air quality thresholds defined by the regional air quality management district, the South Coast Air Quality Management District (SCAQMD).

Air pollution affects all southern Californians. Effects can include increased respiratory infections, increased discomfort, missed days from work and school, and increased mortality. Polluted air also damages agriculture and our natural environment.

The state of California is divided geographically into 15 air basins for managing the air resources of the state on a regional basis. Areas within each air basin are considered to share the same air masses and, therefore, are expected to have similar ambient air quality. The project site is located within the South Coast Air Basin (SoCAB). The portion of the SoCAB covering the project site is currently classified as a federal non-attainment area for ozone (O_3) and particulate matter less than 2.5 microns ($PM_{2.5}$), and a state non-attainment area for ozone, particulate matter less than 10 microns (PM_{10}), and $PM_{2.5}$.

Air quality impacts can result from the construction and operation of the project. Construction impacts are short term and result from fugitive dust, equipment exhaust, and indirect effects associated with construction workers and deliveries. Operational impacts can occur on two levels: regional impacts resulting from growth-inducing development, or local hot-spot effects stemming from sensitive receivers being placed close to highly congested roadways. In the case of this project, operational impacts would be primarily due to emissions to the SoCAB from mobile sources associated with vehicular travel along the roadways surrounding the project site.

The analysis of impacts is based on federal and state Ambient Air Quality Standards (AAQS) and is assessed in accordance with the guidelines, policies, and standards established by the SCAQMD. Project compatibility with the adopted air quality plan for the area is also assessed. Measures are recommended, as required, to reduce potentially significant impacts.

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.

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.

Project Location

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FIGURE 1
Regional Location

Image Source: Nearmap (flown January 2020)

Project Boundary

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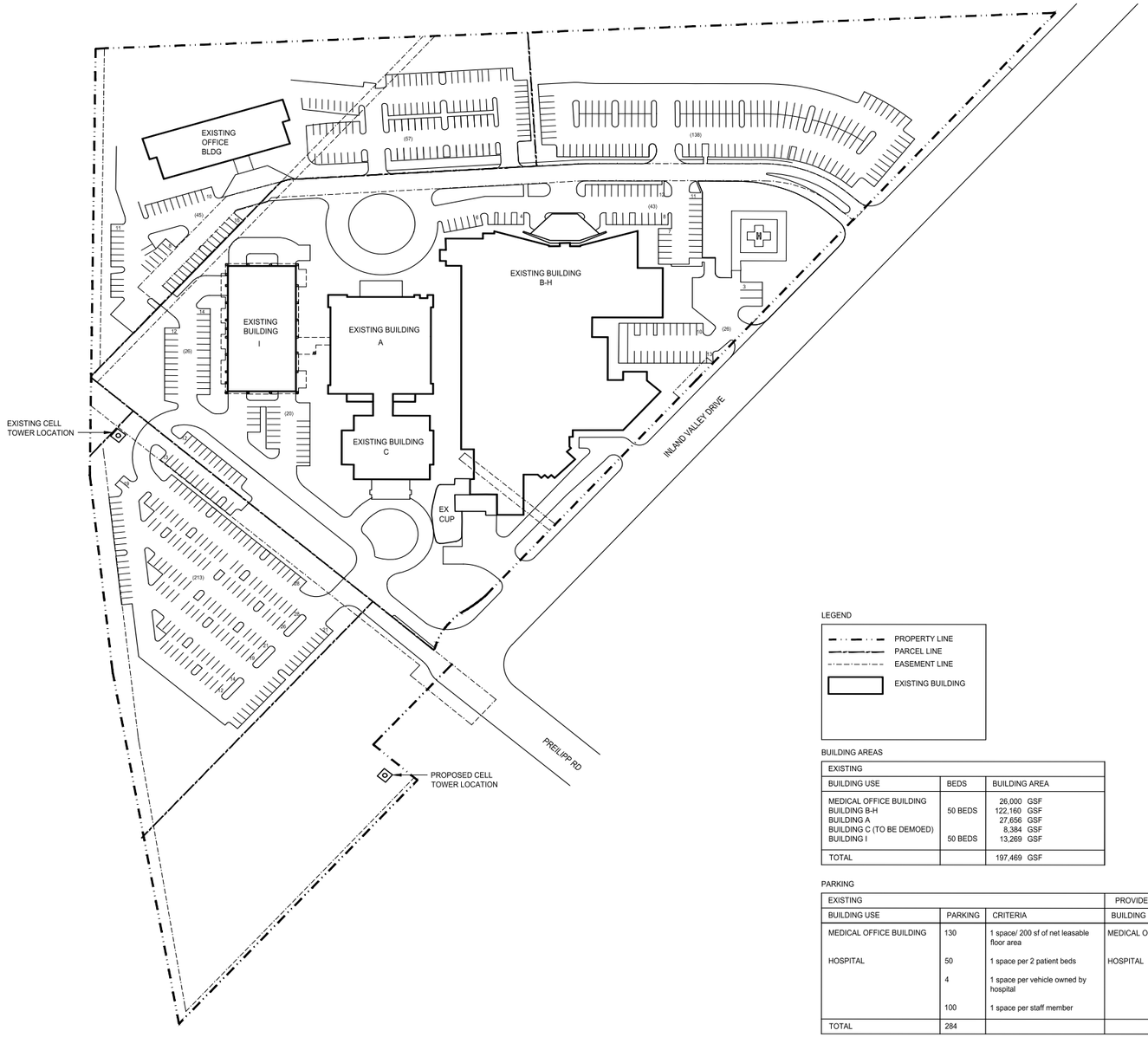
FIGURE 2

Project Location on Aerial Photograph

Map Source: Hellmuth, Obata & Kassabaum, Inc.



LEGEND

- PROPERTY LINE
- PARCEL LINE
- EASEMENT LINE
- EXISTING BUILDING

BUILDING AREAS

EXISTING		
BUILDING USE	BEDS	BUILDING AREA
MEDICAL OFFICE BUILDING		26,000 GSF
BUILDING B-H	50 BEDS	122,160 GSF
BUILDING A		27,656 GSF
BUILDING C (TO BE DEMOED)		8,384 GSF
BUILDING I	50 BEDS	13,269 GSF
TOTAL		197,469 GSF

PARKING

EXISTING			PROVIDED		
BUILDING USE	PARKING	CRITERIA	BUILDING USE	PARKING	CRITERIA
MEDICAL OFFICE BUILDING	130	1 space/ 200 sf of net leasable floor area	MEDICAL OFFICE BUILDING		
HOSPITAL	50	1 space per 2 patient beds	HOSPITAL	568	EXISTING PARKING
	4	1 space per vehicle owned by hospital			
	100	1 space per staff member			
TOTAL	284			568	

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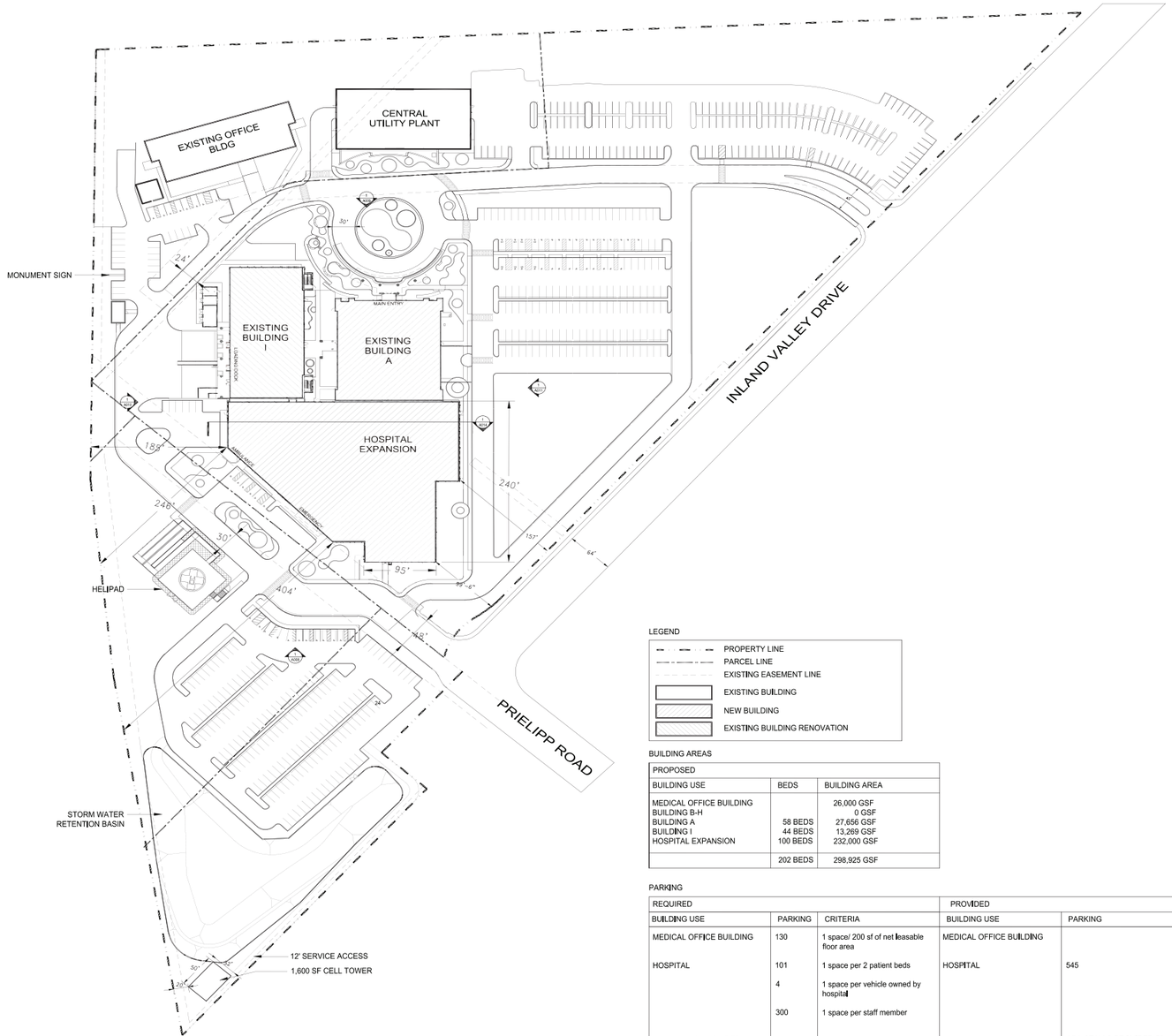
FIGURE 3
Existing Site Plan

Map Source: Hellmuth, Obata & Kassabaum, Inc.



LEGEND

- PROPERTY LINE
- PARCEL LINE
- EXISTING EASEMENT LINE
- EXISTING BUILDING
- NEW BUILDING
- EXISTING BUILDING RENOVATION

BUILDING AREAS

PROPOSED		
BUILDING USE	BEDS	BUILDING AREA
MEDICAL OFFICE BUILDING		26,000 GSF
BUILDING B-H		0 GSF
BUILDING A	58 BEDS	27,656 GSF
BUILDING I	44 BEDS	13,269 GSF
HOSPITAL EXPANSION	100 BEDS	232,000 GSF
	202 BEDS	298,925 GSF

PARKING

REQUIRED			PROVIDED		
BUILDING USE	PARKING	CRITERIA	BUILDING USE	PARKING	CRITERIA
MEDICAL OFFICE BUILDING	130	1 space/ 200 sf of net leasable floor area	MEDICAL OFFICE BUILDING		
HOSPITAL	101	1 space per 2 patient beds	HOSPITAL	545	
	4	1 space per vehicle owned by hospital			
	300	1 space per staff member			
ADA STALLS REQUIRED (10% PARKING) 1 VAN STALLS 1 / 8 STD STALLS	54			ADA STALLS PROVIDED 56 STD STALLS 46 VAN STALLS 10	

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FIGURE 4
Proposed Site Plan

3.0 Regulatory Framework

3.1 Federal Regulations

AAQS represent the maximum levels of background pollution considered safe, with an adequate margin of safety, to protect the public health and welfare. The federal Clean Air Act (CAA) was enacted in 1970 and amended in 1977 and 1990 [42 United States Code (USC) 7401] for the purposes of protecting and enhancing the quality of the nation's air resources to benefit public health, welfare, and productivity. In 1971, in order to achieve the purposes of Section 109 of the CAA [42 USC 7409], the U.S. Environmental Protection Agency (U.S. EPA) developed primary and secondary National Ambient Air Quality Standards (NAAQS).

Six criteria pollutants of primary concern have been designated: ozone, carbon monoxide (CO), sulfur dioxide (SO_2), nitrogen dioxide (NO_2), lead (Pb), and respirable particulate matter (PM_{10} and $PM_{2.5}$). The primary NAAQS ". . . in the judgment of the Administrator, based on such criteria and allowing an adequate margin of safety, are requisite to protect the public health . . . " and the secondary standards ". . . protect the public welfare from any known or anticipated adverse effects associated with the presence of such air pollutant in the ambient air" [42 USC 7409(b)(2)]. The primary NAAQS were established, with a margin of safety, considering long-term exposure for the most sensitive groups in the general population (i.e., children, senior citizens, and people with breathing difficulties). The NAAQS are presented in Table 1 (California Air Resources Board [CARB] 2016).

An air basin is designated as either attainment or non-attainment for a particular pollutant. Once a non-attainment area has achieved the AAQS for a particular pollutant, it is redesignated as an attainment area for that pollutant. To be redesignated, the area must meet air quality standards for three consecutive years. After redesignation to attainment, the area is known as a maintenance area and must develop a 10-year plan for continuing to meet and maintain air quality standards, as well as satisfy other requirements of the federal CAA. The portion of the SoCAB covering the project site is a non-attainment area for the federal ozone and $PM_{2.5}$ standards.

Table 1
Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards[1]		National Standards[2]		
		Concentration[3]	Method[4]	Primary[3,5]	Secondary[3,6]	Method[7]
Ozone[8]	1 Hour	0.09 ppm (180 µg/m³)	Ultraviolet Photometry	–	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.07 ppm (137 µg/m³)		0.070 ppm (137 µg/m³)		
Respirable Particulate Matter (PM_{10})[9]	24 Hour	50 µg/m³	Gravimetric or Beta Attenuation	150 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m³		–		
Fine Particulate Matter ($PM_{2.5}$)[9]	24 Hour	No Separate State Standard		35 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m³	Gravimetric or Beta Attenuation	12 µg/m³	15 µg/m³	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m³)	Non-dispersive Infrared Photometry	35 ppm (40 mg/m³)	–	Non-dispersive Infrared Photometry
	8 Hour	9.0 ppm (10 mg/m³)		9 ppm (10 mg/m³)	–	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m³)		–	–	
Nitrogen Dioxide (NO_2)[10]	1 Hour	0.18 ppm (339 µg/m³)	Gas Phase Chemi-luminescence	100 ppb (188 µg/m³)	–	Gas Phase Chemi-luminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m³)		0.053 ppm (100 µg/m³)	Same as Primary Standard	
Sulfur Dioxide (SO_2)[11]	1 Hour	0.25 ppm (655 µg/m³)	Ultraviolet Fluorescence	75 ppb (196 µg/m³)	–	Ultraviolet Fluorescence; Spectro-photometry (Pararosaniline Method)
	3 Hour	–		–	0.5 ppm (1,300 µg/m³)	
	24 Hour	0.04 ppm (105 µg/m³)		0.14 ppm (for certain areas)[11]	–	
	Annual Arithmetic Mean	–		0.030 ppm (for certain areas)[11]	–	
Lead[12,13]	30 Day Average	1.5 µg/m³	Atomic Absorption	–	–	High Volume Sampler and Atomic Absorption
	Calendar Quarter	–		1.5 µg/m³ (for certain areas)[12]	Same as Primary Standard	
	Rolling 3-Month Average	–		0.15 µg/m³		
Visibility Reducing Particles[14]	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m³	Ion Chroma-tography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m³)	Ultraviolet Fluorescence			
Vinyl Chloride[12]	24 Hour	0.01 ppm (26 µg/m³)	Gas Chroma-tography			

See footnotes on next page.

Table 1
Ambient Air Quality Standards

ppm = parts per million; ppb = parts per billion; µg/m^3 = micrograms per cubic meter; – = not applicable.

[1] California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, particulate matter (PM_{10}, $PM_{2.5}$, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

[2] National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM_{10}, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m^3 is equal to or less than one. For $PM_{2.5}$, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.

[3] Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

[4] Any equivalent measurement method which can be shown to the satisfaction of the Air Resources Board to give equivalent results at or near the level of the air quality standard may be used.

[5] National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.

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

[7] Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.

[8] On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.

[9] On December 14, 2012, the national annual $PM_{2.5}$ primary standard was lowered from 15 µg/m^3 to 12.0 µg/m^3. The existing national 24-hour $PM_{2.5}$ standards (primary and secondary) were retained at 35 µg/m^3, as was the annual secondary standards of 15 µg/m^3. The existing 24-hour PM_{10} standards (primary and secondary) of 150 µg/m^3 also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

[10] To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national standards are in units of ppb. California standards are in units of ppm. To directly compare the national standards to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

[11] On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated non-attainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.
Note that the 1-hour national standard is in units of ppb. California standards are in units of ppm. To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

[12] The Air Resources Board has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

[13] The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 µg/m^3 as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated non-attainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

[14] In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

SOURCE: CARB 2016.

3.2 State Regulations

3.2.1 Criteria Pollutants

The CARB has developed the California Ambient Air Quality Standards (CAAQS) and generally has set more stringent limits on the criteria pollutants than the NAAQS (see Table 1). In addition to the federal criteria pollutants, the CAAQS also specify standards for visibility-reducing particles, sulfates, hydrogen sulfide, and vinyl chloride (see Table 1).

Similar to the federal CAA, the state classifies as either "attainment" or "non-attainment" areas for each pollutant based on the comparison of measured data with the CAAQS. The portion of the SoCAB covering the project site is a non-attainment area for the state ozone, PM_{10}, and $PM_{2.5}$ standards.

3.2.2 Toxic Air Contaminants

The public's exposure to toxic air contaminants (TACs) is a significant public health issue in California. Diesel-exhaust particulate matter emissions have been established as TACs. In 1983, the California Legislature enacted a program to identify the health effects of TACs and to reduce exposure to these contaminants to protect the public health (Assembly Bill [AB] 1807: Health and Safety Code Sections 39650–39674). The Legislature established a two-step process to address the potential health effects from TACs. The first step is the risk assessment (or identification) phase. The second step is the risk management (or control) phase of the process.

The California Air Toxics Program establishes the process for the identification and control of TACs and includes provisions to make the public aware of significant toxic exposures and for reducing risk. Additionally, the Air Toxics "Hot Spots" Information and Assessment Act (AB 2588, 1987, Connelly Bill) was enacted in 1987 and requires stationary sources to report the types and quantities of certain substances routinely released into the air.

The goals of the Air Toxics "Hot Spots" Act are to collect emission data, to identify facilities having localized impacts, to ascertain health risks, to notify nearby residents of significant risks, and to reduce those significant risks to acceptable levels.

The Children's Environmental Health Protection Act, California Senate Bill 25 (Chapter 731, Escutia, Statutes of 1999), focuses on children's exposure to air pollutants. The act requires CARB to review its air quality standards from a children's health perspective, evaluate the statewide air monitoring network, and develop any additional air toxic control measures needed to protect children's health. Locally, toxic air pollutants are regulated through the SDAPCD's Regulation XII. Of particular concern statewide are diesel-exhaust particulate matter emissions. Diesel-exhaust particulate matter was established as a TAC in 1998, and is estimated to represent a majority of the cancer risk from TACs statewide (based on the statewide average). Diesel exhaust is a complex mixture of gases, vapors, and fine particles. This complexity makes the evaluation of health effects of diesel exhaust a complex scientific issue. Some of the chemicals in diesel exhaust, such as benzene and formaldehyde, have been

previously identified as TACs by the CARB and are listed as carcinogens either under the state's Proposition 65 or under the federal Hazardous Air Pollutants program.

Following the identification of diesel particulate matter (DPM) as a TAC in 1998, CARB has worked on developing strategies and regulations aimed at reducing the risk from DPM. The overall strategy for achieving these reductions is found in the *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles* (CARB 2000). To monitor the effectiveness of the efforts to reduce DPM, CARB has supported field campaigns that measure real-world emissions from heavy-duty vehicles, and results indicate that regulations aimed at reducing emissions of DPM have been successful.

CARB published the *Air Quality and Land Use Handbook: A Community Health Perspective* (CARB 2005). The handbook makes recommendations directed at protecting sensitive land uses from air pollutant emissions while balancing a myriad of other land use issues (e.g., housing, transportation needs, economics, etc.). It notes that the handbook is not regulatory or binding on local agencies and recognizes that application takes a qualitative approach. As reflected in the CARB Handbook, there is currently no adopted standard for the significance of health effects from mobile sources. Therefore, the CARB has provided guidelines for the siting of land uses near heavily traveled roadways. Of pertinence to this study, the CARB guidelines indicate that siting new sensitive land uses within 500 feet of a freeway or urban roads with 100,000 or more vehicles/day should be avoided when possible.

As an ongoing process, CARB will continue to establish new programs and regulations for the control of diesel particulate and other air-toxics emissions as appropriate. The continued development and implementation of these programs and policies will ensure that the public's exposure to DPM will continue to decline.

3.2.3 State Implementation Plan

The State Implementation Plan (SIP) is a collection of documents that set forth the state's strategies for achieving the NAAQS. In California, the SIP is a compilation of new and previously submitted plans, programs (such as air quality management plans, monitoring, modeling, permitting, etc.), district rules, state regulations, and federal controls. The CARB is the lead agency for all purposes related to the SIP under state law. Local air districts and other agencies, such as the Department of Pesticide Regulation and the Bureau of Automotive Repair, prepare SIP elements and submit them to CARB for review and approval. The CARB then forwards SIP revisions to the U.S. EPA for approval and publication in the Federal Register. All of the items included in the California SIP are listed in the Code of Federal Regulations (CFR) at 40 CFR 52.220.

3.2.4 The California Environmental Quality Act

Section 15125(d) of the California Environmental Quality Act (CEQA) Guidelines requires discussion of any inconsistencies between the project and applicable general plans and regional plans, including the applicable air quality attainment or maintenance plan (or SIP).

3.3 Local Regulations

The SCAQMD is the air pollution control agency in the SoCAB. The role of the local SCAQMD is to protect the people and the environment of the SoCAB from the effects of air pollution. As the SCAQMD is designated as a nonattainment area for state air quality standards for 8-hour ozone, PM_{10}, and $PM_{2.5}$, SCAQMD periodically prepares air quality management plans (AQMPs) outlining measures to reduce these pollutants. The most recent AQMP is the *2016 Air Quality Management Plan* (2016 AQMP).

4.0 Environmental Setting

4.1 Site Conditions

The 22.25-acre project site is currently developed with the Inland Valley Medical Center. The existing buildings include several one- and two-story structures: Buildings A through I, a Central Utility Plan, and an Administration Building. Building A and I contain patient rooms, and Buildings B through H contain diagnostic and treatment areas. The project site is bounded by a natural ravine to the north, Inland Valley Drive to the east, and Interstate 15 to the south and west. The nearest sensitive receptors include the Kaiser Permanente Wildomar Medical Offices and Inland Urgent Care across Inland Valley Drive to the east, multi-family residential uses approximately 700 feet to the east beyond these medical uses, and multi-family residential uses approximately 500 feet to the northwest.

4.2 Regional Setting and Climate

The project site is located approximately 24 miles northeast of the Pacific Ocean in the city of Wildomar in southwestern Riverside County. Air quality in the County is influenced by both topographical and meteorological conditions.

The project site and surrounding area, like other inland valley areas in southern California, has a Mediterranean climate characterized by warm, dry summers and mild, wet winters. The Lake Elsinore climate monitoring station (ID 042805) is approximately 8 miles northwest of the project site. Based on measurements taken at this climate monitoring station, the average annual precipitation is 12 inches, falling primarily from November to April (Western Regional Climate Center 2020). Annual temperatures for the project site and surrounding area average about 64 degrees Fahrenheit (°F), winter low temperatures average about 37°F, and summer high temperatures average about 96°F.

The dominant meteorological feature affecting the region is the Pacific High Pressure Zone, which produces the prevailing westerly to northwesterly winds. These winds tend to blow pollutants away from the coast toward the inland areas. Consequently, air quality near the coast is generally better than that which occurs at the base of the coastal mountain range.

The prevailing westerly wind pattern is sometimes interrupted by regional "Santa Ana" conditions. A Santa Ana occurs when a strong high pressure develops over the Nevada–Utah

area and overcomes the prevailing westerly coastal winds, sending strong, steady, hot, dry northeasterly winds over the mountains and out to sea.

4.3 Existing Air Quality

As discussed, the State of California is divided geographically into 15 air basins for managing the air resources of the state on a regional basis. The project is located in the SoCAB. The SoCAB includes Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino counties. The SoCAB is designated as in attainment or unclassifiable attainment (expected to be meeting the standard despite a lack of monitoring data) for all federal air quality standards except 8-hour ozone and $PM_{2.5}$ standards. The SoCAB is designated as in nonattainment for state air quality standards for 8-hour ozone and $PM_{2.5}$, and additionally is in nonattainment of state PM_{10} standards.

Air quality is commonly expressed as the number of days in which air pollution levels exceed state standards set by CARB or federal standards set by the U.S. EPA. SCAQMD has divided its jurisdictional territory of the SoCAB into 38 Source Receptor Areas (SRAs), most of which have monitoring stations that collect air quality data. These SRAs are designated to provide a general representation of the local meteorological, terrain, and air quality conditions within the particular geographical area. These geographical areas include urbanized regions, interior valleys, coastal areas, and mountains. The project site is located within SRA 25. The SCAQMD maintains 41 active air quality monitoring sites located throughout the SoCAB. Air pollutant concentrations and meteorological information are continuously recorded at these stations. Measurements are then used by scientists to help forecast daily air pollution levels.

The Lake Elsinore Monitoring Station, located approximately 8 miles northwest of the project site at 506 West Flint Street, is the closest monitoring station. The Lake Elsinore monitoring station measures ozone, NO_2, PM_{10}, and $PM_{2.5}$. Table 2 provides a summary of measurements collected at these monitoring stations for the years 2017 through 2019.

Table 2
Summary of Air Quality Measurements Recorded at the Lake Elsinore Air Quality Monitoring Stations

Pollutant/Standard	2017	2018	2019
Ozone			
Federal Max 8-hr (ppm)	0.098	0.095	0.089
Days 2015 Federal 8-hour Standard Exceeded (0.07 ppm)	54	30	28
Days 2008 Federal 8-hour Standard Exceeded (0.075 ppm)	35	26	11
State Max 8-hr (ppm)	0.098	0.096	0.089
Days State 8-hour Standard Exceeded (0.07 ppm)	56	31	31
Max. 1-hour (ppm)	0.121	0.116	0.108
Days State 1-hour Standard Exceeded (0.09 ppm)	23	16	4
Nitrogen Dioxide			
Max 1-hour (ppm)	0.049	0.0413	0.038
Days State 1-hour Standard Exceeded (0.18 ppm)	0	0	0
Days Federal 1-hour Standard Exceeded (0.100 ppm)	0	0	0
Annual Average (ppm)	0.008	0.008	0.006
PM_{10}*			
Federal Max. Daily (µg/m^3)	134.1	105.3	93.8
Measured Days Federal 24-hour Standard Exceeded (150 µg/m^3)	0	0	0
Calculated Days Federal 24-hour Standard Exceeded (150 µg/m^3)	0.0	0.0	0.0
Federal Annual Average (µg/m^3)	23.6	23.3	19.7
State Max. Daily (µg/m^3)	--	--	--
Measured Days State 24-hour Standard Exceeded (50 µg/m^3)	--	--	--
Calculated Days State 24-hour Standard Exceeded (50 µg/m^3)	--	--	--
State Annual Average (µg/m^3)	--	--	--
$PM_{2.5}$*			
Federal Max. Daily (µg/m^3)	--	--	--
Measured Days Federal 24-hour Standard Exceeded (35 µg/m^3)	--	--	--
Calculated Days Federal 24-hour Standard Exceeded (35 µg/m^3)	--	--	--
Federal Annual Average (µg/m^3)	--	--	--
State Max. Daily (µg/m^3)	27.2	31.3	17.6
State Annual Average (µg/m^3)	11.3	6.7	--

SOURCE: CARB 2020.
ppm = parts per million; µg/m^3 = micrograms per cubic meter; -- = Not available.
* Calculated days value. Calculated days are the estimated number of days that a measurement would have been greater than the level of the standard had measurements been collected every day. The number of days above the standard is not necessarily the number of violations of the standard for the year.

5.0 Significance Criteria

The significance thresholds used in this analysis were based on Appendix G of the CEQA Guidelines as well as guidance from the SCAQMD for assessing air quality impacts. The following thresholds were used to determine significance of air quality impacts associated with the project. Adverse air quality impacts would occur if implementation of the project would:

- Obstruct or conflict with the implementation of the applicable air quality plan.
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standards (including the release of emissions which exceed quantitative thresholds for ozone precursors).

- Expose sensitive receptors to substantial pollutant concentration including air toxics.
- Create objectionable odors affecting a substantial number of people.

5.1 Regional Significance Thresholds

The SCAQMD has established significance thresholds to assess the regional and localized impacts of project-related air pollutant emissions. These significance thresholds are updated as needed to appropriately represent the most current technical information and attainment status in the SoCAB. The City of Wildomar uses the current SCAQMD thresholds to determine whether a proposed project would have a significant impact. SCAQMD's significance thresholds for impacts to regional air quality are shown in Table 3.

Table 3
SCAQMD Air Quality Significance Thresholds – Mass Daily Thresholds

Pollutant	Emissions (pounds)	
	Construction	Operational
Oxides of Nitrogen (NO_X)	100	55
Volatile Organic Compounds (VOC)	75	55
Coarse Particulate Matter (PM_{10})	150	150
Fine Particulate Matter ($PM_{2.5}$)	55	55
Oxides of Sulfur (SO_X)	150	150
Carbon Monoxide (CO)	550	550
Lead (Pb)*	3	3

SOURCE: SCAQMD CEQA Air Quality Handbook (SCAQMD 1993); SCAQMD Air Quality Significance Thresholds (SCAQMD 2015)

5.2 Localized Significance Thresholds

The SCAQMD's Final Localized Significance Threshold (LST) Methodology was developed as a tool to assist lead agencies to analyze localized air quality impacts to sensitive receptors in the vicinity of the project (SCAQMD 2008). The LST Methodology outlines how to analyze localized impacts from common pollutants of concern including NO_2, CO, PM_{10}, and $PM_{2.5}$. Localized air quality impacts would occur if pollutant concentrations at sensitive receptors exceeded applicable NAAQS or CAAQS.

LSTs represent the maximum emissions from a project that will not cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard at the nearest residence or sensitive receptor. The SCAQMD states that lead agencies can use the LSTs as another indicator of significance in its air quality impact analyses. The significance of localized emissions impacts depends on whether ambient levels in the vicinity of any given project are above or below State standards. In the case of CO and NO_2, if ambient levels are below the standards, a project is considered to have a significant impact if project emissions result in an exceedance of one or more of these standards. If ambient levels already exceed a state or federal standard, then project emissions are considered significant if they increase ambient concentrations by a measurable amount. This would apply to PM_{10} and $PM_{2.5}$, both of which are non-attainment pollutants.

6.0 Air Quality Calculations

Construction impacts are short term and result from fugitive dust, equipment exhaust, and indirect effects associated with construction workers and deliveries. Operational impacts can occur on two levels: regional or local. In the case of this project, operational impacts are primarily due to emissions from project-related mobile sources associated with vehicular travel along the roadways. Operational emissions also consist of area sources that are direct sources of emissions located at the project site.

Construction and operation air emissions were calculated using California Emissions Estimator Model (CalEEMod) 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. The model estimates mass emissions from two basics sources: construction sources and operational sources (i.e., area and mobile sources).

Inputs to CalEEMod include such items as the air basin containing the project, land uses, trip generation rates, trip lengths, vehicle fleet mix (percentage of autos, medium truck, etc.), trip destination (i.e., percent of trips from home to work, etc.), duration of construction phases, construction equipment usage, grading areas, season, and ambient temperature, as well as other parameters. The CalEEMod output files contained in Attachment 1 indicate the specific outputs for each model run. Emissions of NO_X, CO, SO_X, PM_{10}, $PM_{2.5}$, and reactive organic gases (ROG) are calculated. Emission factors are not available for lead, and consequently, lead emissions are not calculated. The SoCAB is currently in attainment of the federal and state lead standards. Furthermore, fuel used in construction equipment and most other vehicles is not leaded.

6.1 Construction Regional Emissions

Construction-related activities are temporary, short-term sources of emissions. Sources of construction-related emissions include:

- Fugitive dust from grading activities;
- Construction equipment exhaust; and
- Construction-related trips by workers, delivery trucks, and material-hauling trucks.

Construction-related emissions include emissions from dust during grading, exhaust from construction vehicles, and chemicals used during construction. Fugitive dust emissions vary greatly during construction and are dependent on the amount and type of activity, silt content of the soil, and the weather. Vehicles moving over paved and unpaved surfaces, excavation, earth movement, grading, and wind erosion from exposed surfaces are all sources of fugitive dust. Construction operations are subject to the requirements established by the SCAQMD including Rule 403, Fugitive Dust. Rule 403 requires the use of best available control measures for fugitive dust. This analysis assumes that standard dust and emission control during grading operations would be implemented to reduce potential nuisance impacts and to ensure compliance with SCAQMD Rule 403, which is estimated to result in a 55 percent reduction in fugitive dust.

Heavy-duty construction equipment is usually diesel powered. 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

Table 4 Construction Phases and Equipment		
Equipment	Quantity	Daily Operation Time (Hours)
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
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

Table 4 Construction Phases and Equipment		
Equipment	Quantity	Daily Operation Time (Hours)
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.		

Table 5 shows the total projected construction maximum daily emission levels for each criteria pollutant and compares emissions to the SCAQMD regional significance thresholds. The CalEEMod output files for construction emissions are contained in Attachment 1.

Table 5 Construction Emissions Comparison to SCAQMD Significance Thresholds						
Year	Emissions (pounds per day)					
	ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
2021	3	32	22	<1	3	2
2022	7	83	62	<1	13	8
2023	42	73	85	<1	12	5
2024	2	19	22	<1	3	1
2025	4	31	34	<1	4	2
2026	1	9	15	<1	<1	<1
Maximum Daily Emissions	**42**	**83**	**85**	**<1**	**13**	**8**
SCAQMD Regional Threshold	*75*	*100*	*550*	*150*	*150*	*55*
Exceeds Threshold?	*No*	*No*	*No*	*No*	*No*	*No*

As shown in Table 5, construction emissions would be less than the SCAQMD regional thresholds for all criteria pollutants.

6.2 Operational Regional Emissions

Mobile source emissions would originate from traffic generated by the project. Area source emissions would result from the use of natural gas, consumer products, as well as applying architectural coatings and landscaping activities. Stationary sources of emissions would include the Central Utility Plant's emergency generators and boilers.

6.2.1 Mobile Sources

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 generates 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, NO_x 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 significance thresholds (as shown in Table 6 below). Therefore, mobile source emissions are based on EMFAC2014 emission factors.

It should also be noted that criteria pollutant 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 Interstate 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.

6.2.2 Area Sources

Area sources are defined as direct sources of operational emissions located at the project site. Area source emissions associated with the project include consumer products, natural gas used in space and water heating, architectural coatings, and landscaping equipment. Hearths (fireplaces) and woodstoves are also a source of area emissions; however, the project would not include hearths or woodstoves. Consumer products are chemically formulated products used by household and institutional consumers, including, but not limited to, detergents, cleaning compounds, polishes, floor finishes, disinfectants, sanitizers, and aerosol paints but not including other paint products, furniture coatings, or architectural coatings. Emissions due to consumer products are calculated using total building area and product emission factors. Emissions are generated from the combustion of natural gas used in space and water heating. Emissions are based on the Residential Appliance Saturation Survey, which is a comprehensive energy use assessment that includes the end use for various climate zones in California.

For architectural coatings, emissions result from evaporation of solvents contained in surface coatings such as in paints and primers. Emissions are based on the building surface area, architectural coating emission factors, and a reapplication rate of 10 percent of area per year. Landscaping maintenance includes fuel combustion emission from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers as well as air compressors, generators, and pumps. Emission calculations take into account

building area, equipment emission factors, and the number of operational days (summer days).

6.2.3 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 air quality impacts presented here only addresses those pieces of equipment that are a part of the project that would generate air emissions, which would be the emergency generators and boilers. The cooling tower would generate minimal amounts of PM_{10} and is not anticipated to generate substantial amounts of air pollutant or toxic emissions.

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 2017). 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.

6.2.4 Total Operational Emissions

Table 6 provides a summary of the operational emissions generated by the project. CalEEMod output files for project operation and emergency generator and boiler emission calculations are contained in Attachment 1. As shown, project-generated emissions are projected to be less than the SCAQMD's significance thresholds for all criteria pollutants.

Table 6 Summary of Project Operational Emissions (pounds per day)						
Source	Emissions					
	ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
WINTER						
Area Sources	6	<1	<1	<1	<1	<1
Energy Sources	1	5	4	<1	<1	<1
Mobile Sources	3	13	34	<1	15	4
Emergency Generators	5	22	12	<1	1	1
Boilers	2	5	19	<1	3	3
Total	**16**	**43**	**69**	**<1**	**19**	**8**
SCAQMD Significance Threshold	*55*	*55*	*550*	*150*	*150*	*55*
Exceeds Threshold?	*No*	*No*	*No*	*No*	*No*	*No*
SUMMER						
Area Sources	6	<1	<1	<1	<1	<1
Energy Sources	1	5	4	<1	<1	<1
Mobile Sources	3	12	37	<1	15	4
Emergency Generators	5	21	12	<1	1	1
Boilers	2	5	19	<1	3	3
Total	**16**	**43**	**72**	**<1**	**19**	**8**
SCAQMD Significance Threshold	*55*	*55*	*550*	*150*	*150*	*55*
Exceeds Threshold?	*No*	*No*	*No*	*No*	*No*	*No*
NOTE: Totals may vary due to independent rounding.						

6.3 Localized Significance Thresholds

6.3.1 Construction Localized Significance Thresholds Calculations

The project site is located within Wildomar Source Receptor Area 25. LSTs apply to on-site air emissions of CO, NO_2, PM_{10}, and $PM_{2.5}$. Based on the SCAQMD's Fact Sheet for Applying CalEEMod to Localized Significance Thresholds (Fact Sheet), the appropriate methodology for determining localized impacts that could occur as a result of project-related construction, should follow these steps:

- Use CalEEMod to determine the maximum daily on-site emissions that will occur during construction activity.
- The SCAQMD's Fact Sheet is used to determine the maximum site acreage that is actively disturbed based on the construction equipment fleet and equipment hours as estimated in CalEEMod.
- If the total calculated acreage is less than or equal to five acres, then the SCAQMD's screening look-up tables may be utilized to determine the potential for significant impacts. The look-up tables establish a maximum daily emissions threshold in pounds per day to be directly compared to CalEEMod emission results.

- If the total acreage disturbed is greater than five acres per day, then the SCAQMD recommends dispersion modeling to be conducted to determine the actual pollutant concentrations for applicable LSTs.

Additionally, the LST Methodology states that only on-site emissions should be compared to LSTs. Therefore, off-site emissions associated with worker travel, materials deliveries, and other mobiles sources are not evaluated against LSTs.

The maximum on-site daily emissions for CO, NO_X, PM_{10}, and $PM_{2.5}$ for construction activity are compared to the applicable screening thresholds based on construction site acreage and the distance to the closest sensitive receptor. The nearest residential uses are located approximately 120 meters northwest and 220 meters east of the project site, and medical offices are located approximately 35 meters east of the project site. Additionally, medical offices and hospital beds are located within the project site. Therefore, the most restrictive screening levels for the shortest distance of 25 meters was used to evaluate project LST impacts. To determine the maximum daily disturbed acreage for use in the SCAQMD's LST look-up tables, the maximum acres per day were developed from the CalEEMod Users Guide. The maximum amount of earth-moving equipment that would be used simultaneously would occur during the overlap of the Central Utility Plant construction and New Tower site preparation phases. Based on the CalEEMod Users Guide, the project is anticipated to disturb approximately 5 acres per day during the new tower grading phase of construction (Table 7).

Table 7
Maximum Disturbed Acres

Phase	Equipment	Pieces	Acres/ Piece	Total Daily Acres
Central Utility Plant Construction	Tractors/Loaders/Backhoes	3	0.5	1.5
New Tower Site Preparation	Rubber Tired Dozers	3	0.5	1.5
	Tractors/Loaders/Backhoes	4	0.5	2
Total Acres				**5**
SOURCE: CAPCOA 2017.				

The maximum daily localized emissions from project construction and LSTs are presented in Table 8.

Table 8
Localized Construction Emissions

	NO_X	CO	PM_{10}	$PM_{2.5}$
Maximum Daily Emission[1]	83	85	13	8
LST Threshold	*371*	*1,965*	*13*	*8*
Threshold Exceeded?	No	No	No	No

The maximum daily emissions shown in Table 8 include on-site and off-site sources. These maximum localized construction emissions would not exceed any of the SCAQMD recommended localized screening thresholds. Emissions from on-site sources only would be

less than those shown in Table 8, and would therefore also be less than the screening thresholds.

6.3.2 Operational Localized Significance Thresholds Calculations

Project operations impacts were also assessed used SCAQMD LSTs. Table 9 presents the maximum on-site emissions and applicable LSTs.

Table 9
Localized Operations Emissions

Operations	Pollutant (pounds per day)			
	NO_X	CO	PM_{10}	$PM_{2.5}$
Area Sources	<1	<1	<1	<1
Energy Sources	5	4	<1	<1
Emergency Generators	21	12	1	1
Boilers	5	19	3	3
Maximum On-Site Emissions	31	35	4	4
Operations LST Threshold[1]	*371*	*1,965*	*4*	*2*
Threshold Exceeded?	***No***	***No***	***No***	***Yes***

[1] Emissions are assessed against the threshold for 5-acre project sites with sensitive receptors within 25 meters of the project site boundary.

As shown in Table 9, due to the emergency generators and boilers, maximum localized operations emissions would exceed the SCAQMD recommended localized screening threshold for PM_{10}. It should be noted that although the emergency generators and boilers would have an increased capacity compared to the existing Central Utility Plant equipment, they would replace equipment that is approximately 20 years old or older. The newer equipment would likely be more efficient and cleaner than the older emergency generators and boilers. Additionally, the emergency generators and boilers would require permits from the SCAQMD. Once the Central Utility Plant design is finalized and the exact equipment is selected, as a part of the final permitting process, the SCAQMD will review the emissions and emission rates for permitted equipment (including the emergency generators and boilers) and ensure that health risks are minimized. Therefore, through implementation of the mandated SCAQMD permitting process, impacts to sensitive receptors would be less than significant.

6.4 Toxic Air Contaminants – Diesel Particulate Matter

Construction of the project would result in short-term diesel exhaust emissions from on-site heavy-duty equipment. Other construction-related sources of DPM include material delivery trucks and construction worker vehicles; however, these sources are minimal relative to construction equipment. Not all construction worker vehicles would be diesel-fueled and most

DPM emissions associated with material delivery trucks and construction worker vehicles would occur off-site.

For purposes of analyzing construction-related TAC emissions and their impact on sensitive receptors, the maximum annual PM_{10} emissions from equipment exhaust were used to develop an average daily emission rate. The exhaust emissions were calculated by CalEEMod, and the maximum annual DPM concentration was calculated using AERSCREEN. AERSCREEN calculates a worst-case maximum 1-hour concentration at a specific distance and specific angle from the source. The maximum 1-hour concentration is then converted to an annual concentration using a 0.08 conversion factor (U.S. EPA 1992).

Once the dispersed concentrations of diesel particulates are estimated in the surrounding air, they are used to evaluate estimated exposure to people. Exposure is evaluated by calculating the dose in milligrams per kilogram body weight per day (mg/kg/d). For residential exposure, the breathing rates are determined for specific age groups, so inhalation dose (Dose-air) is calculated for each of these age groups, 3rd trimester, 0<2, 2<9, 2<16, 16<30 and 16-70 years. The equation for dose through inhalation (Dose-air) is as follows:

$$\text{Dose-air} = (C_{air} \times \text{DBR} \times A \times EF \times 10^{-6});$$

Where:

Dose-air	=	Chronic daily intake, mg/kg body weight per day
C_{air}	=	Ground-level concentration of TAC to which the receptor is exposed, micrograms/cubic meter
DBR	=	Daily breathing rate, normalized to body weight (liters per kilogram body weight per day (Office of Environmental Health Hazard Assessment [OEHHA] 2015)
A	=	Inhalation absorption factor (OEHHA recommended factor of 1)
EF	=	Exposure frequency, days/year (OEHHA recommended factor of 0.96 for resident and 0.68 for workers)

Cancer risk is calculated by multiplying the daily inhalation or oral dose, by a cancer potency factor, the age sensitivity factor, the frequency of time spent at home and the exposure duration divided by averaging time, to yield the excess cancer risk. The excess cancer risk is calculated separately for each age grouping and then summed to yield cancer risk for any given location. The worst-case cancer risk is calculated as follows:

$$\text{Excess Cancer Risk} = \text{Dose-air} \times \text{CPF} \times \text{ASF} \times \text{ED/AT} \times \text{FAH};$$

Where:

Dose-air	=	Chronic daily intake, mg/kg body weight per day
CPF	=	Cancer potency factor (mg/kg/d)
ASF	=	Age sensitivity factor
ED	=	Exposure duration (years)
AT	=	Averaging time for lifetime cancer risk (years)
FAH	=	Fraction of time at home

Non-cancer risks or risks defined as chronic or acute. With respect to DPM only chronic risks are calculated and are determined by the hazard index. To calculate hazard index, DPM concentration is divided by its chronic Reference Exposure Levels (REL). Where the total equals or exceeds one, a health hazard is presumed to exist.

In this analysis, non-carcinogenic impacts are evaluated for chronic exposure inhalation exposure. Estimates of health impacts from non-carcinogenic concentrations are expressed as a hazard quotient (HQ) for individual substances, such as diesel particulate. An HQ of one or less indicates that adverse health effects are not expected to result from exposure to emissions of that substance. RELs are defined as the concentration at which no adverse health effects are anticipated. Generally, the inhalation pathway is the largest contributor to the total dose. The HQ is calculated with the flowing equation:

HQ = Ground-Level Concentration ($\mu g/m^3$)/Reference Exposure Level ($\mu g/m^3$)

Based on the CalEEMod calculations for project construction, the project would result in on-site maximum annual emissions of 0.24348 tons of PM_{10} exhaust. This maximum annual emissions rate was modeled over the entire construction period. This is, therefore, a conservative assessment. Based on AERSCREEN modeling results, the maximum 1-hour ground-level DPM concentration from construction activities would be 0.0994 $\mu g/m^3$. This was converted to an annual average concentration of 0.00796 $\mu g/m^3$ using a conversion factor of 0.08 (U.S. EPA 1992). The resulting annual concentration was used in the equations discussed above. Using this methodology, it was calculated that the excess cancer risk would be 5.43 in a million. DPM generated by project construction is not expected to create conditions where the probability is greater than 10 in 1 million of contracting cancer. Additionally, the HQ would be 0.0016, which is less than one. Therefore, no non-cancer risks are expected and all health risks are considered less than significant. AERSCREEN and cancer risk calculations are provided in Attachment 2.

It should also be noted that all construction equipment is subject to the CARB In-Use Off-Road Diesel-Fueled Fleets Regulation. This regulation, which applies to all off-road diesel vehicles 25 horsepower or greater, limits unnecessary idling to 5 minutes, requires all construction fleets to be labeled and reported to CARB, bans Tier 0 equipment and phases out Tier 1 and 2 equipment (thereby replacing fleets with cleaner equipment), and requires that fleets comply with Best Available Control Technology requirements.

6.5 Impact Analysis

1. *Would the project obstruct or conflict with the implementation of the applicable air quality plan?*

As stated previously, the SoCAB is designated as in attainment or unclassifiable attainment (expected to be meeting the standard despite a lack of monitoring data) for all federal air quality standards except for the 8-hour ozone and $PM_{2.5}$ standards. The SoCAB is also designated as in nonattainment for state air quality standards for 8-hour ozone and $PM_{2.5}$, and additionally is in nonattainment of state PM_{10} standards. The regional air quality plan, the 2016 AQMP, outlines measures to reduce emissions of ozone and $PM_{2.5}$. Whereas reducing

PM concentrations is achieved by reducing emissions of $PM_{2.5}$ to the atmosphere, reducing ozone concentrations is achieved by reducing the precursors of photochemical formation of ozone, VOC, and NO_X.

The growth forecasting for the AQMP is based in part on the land uses established by local general plans. Thus, if a project is consistent with land use as designated in the local general plan, it can normally be considered consistent with the AQMP. Projects that propose a different land use than is identified in the local general plan may also be considered consistent with the AQMP if the proposed land use is less intensive than buildout under the current designation. For projects that propose a land use that is more intensive than the current designation, analysis that is more detailed is required to assess conformance with the AQMP.

The project would include construction of a new hospital tower and a new helipad platform, interior hospital renovations, and various site improvements. The project site is located within the existing Inland Valley Medical Center campus that is designated as Light Industrial in the General Plan. While the project would increase the number of hospital beds on the project site, it would not result in regional growth. Rather, it would expand its operations to better serve the existing community. The project would not result in an exceedance of the growth forecasting used to develop the AQMP.

Another factor used to determine if a project would conflict with implementation of the AQMP is determining if the project would result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay the timely attainment of air quality standards (NAAQS and CAAQS) or interim emissions reductions specified in the AQMP. NAAQS and CAAQS violations could occur if project emissions would exceed regional significance thresholds or LSTs. As shown in Tables 5 and 6, construction and operational emissions would not exceed the regional significance thresholds. Additionally, as shown in Tables 7 and 8, construction and operational emissions would not exceed the LSTs. Therefore, the project would not conflict with or obstruct the implementation of the AQMP or applicable portions of the SIP, and impacts would be less than significant.

2. *Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?*

As discussed in Section 2.3, Existing Air Quality, the SoCAB is classified as in attainment for all criterion pollutants except for ozone, PM_{10}, and $PM_{2.5}$. The SoCAB is designated as a nonattainment area for federal AAQS for the 8-hour ozone and $PM_{2.5}$ standards, and is in nonattainment area under state PM_{10} standards. Ozone is not emitted directly, but is a result of atmospheric activity on precursors. NO_X and ROG are known as the chief "precursors" of ozone. These compounds react in the presence of sunlight to produce ozone.

Based on SCAQMD cumulative significance methodologies, the emissions-based thresholds shown in Table 3 are used to determine if a project's contribution to regional cumulative emissions is cumulatively considerable. These thresholds were used to assess the significance

of the project-specific and cumulative air quality impacts. Air quality impacts are basin-wide, and air quality is affected by all pollutant sources in the SoCAB. As the individual project thresholds are designed to help achieve attainment with cumulative basin-wide standards, they are also appropriate for assessing the project's contribution to cumulative impacts.

As shown in Tables 5 and 6, emissions of ozone precursors (ROG and NO_X), PM_{10}, and $PM_{2.5}$ from construction and operation would be below the SCAQMD's thresholds of significance. These thresholds are designed to provide limits below which project emissions from an individual project would not significantly affect regional air quality or the timely attainment of the NAAQS and CAAQS. Therefore, the project would not result in a cumulatively considerable net increase in emissions of ozone, PM_{10}, or $PM_{2.5}$, and impacts would be less than significant.

3. *Would the project expose sensitive receptors to substantial pollutant concentration including air toxics such as diesel particulates?*

A sensitive receptor is a person in the population who is more susceptible to health effects due to exposure to an air contaminant than is the population at large. Examples of sensitive receptor locations in the community include residences, schools, playgrounds, childcare centers, churches, athletic facilities, retirement homes, and long-term health care facilities. The sensitive receptors nearest to the project site include residential uses northwest and east of the project site, and medical uses east of the project site as well as on the project site.

Diesel Particulate Matter – Construction

Results of the LST analysis indicate that the project would not exceed the SCAQMD LSTs during construction (see Table 8). As demonstrated in the construction health risk assessment, DPM generated by project construction is not expected to create conditions where the probability is greater than 10 in 1 million of contracting cancer. Additionally, the HQ would be 0.0010, which is less than one. Therefore, health risks are considered less than significant.

Additionally, with ongoing implementation of U.S. EPA and CARB requirements for cleaner fuels; off-road diesel engine retrofits; and new, low-emission diesel engine types, the DPM emissions of individual equipment would be substantially reduced over the years as the project construction continues. As discussed previously, all construction equipment is subject to the CARB In-Use Off-Road Diesel-Fueled Fleets Regulation, which limits unnecessary idling to 5 minutes, requires all construction fleets to be labeled and reported to CARB, bans Tier 0 equipment and phases out Tier 1 and 2 equipment (thereby replacing fleets with cleaner equipment), and requires that fleets comply with Best Available Control Technology requirements. Therefore, project construction would not expose sensitive receptors to substantial pollutant concentration.

Diesel Particulate Matter – Freeway

As discussed in Section 3.2.2, the CARB handbook indicates that siting new sensitive land uses within 500 feet of a freeway or urban roads with 100,000 or more vehicles per day should be avoided when possible. The project site is located adjacent to Interstate 15. The project

would not site a new sensitive land use adjacent to the freeway; however, it would expand the existing hospital and therefore increase capacity. However, the risk to sensitive receptors (patients and hospital staff) would be greatly reduced through the design of the proposed hospital filtration systems. Because clean indoor air is critical in medical facilities, the hospital ventilation system has been designed to include high-efficiency particulate air (HEPA) filtration systems that are extremely effective at capturing and removing airborne particles and other contaminants from the facility's indoor air. Filters are categorized according to minimum efficiency reporting value (MERV) rating. The higher the MERV rating, the better the filtration. MERV-13 filters are effective at filtering DPM. The project ventilation systems would include code required MERV-8 pre-filters and MERV-14 final filters, which would provide greater filtration than MERV-13 filters. The filters would be maintained and periodically replaced as needed through on-going hospital ventilation system maintenance. Therefore, the proposed ventilation system would effectively filter DPM, and impacts to sensitive receptors would be less than significant.

Stationary Sources

As discussed, the project would include the construction of a new Central Utility Plant to replace the existing facility. The emergency generators and boilers would be stationary sources of emissions associated with the project. As shown in Table 6, emissions are not anticipated to exceed the SCAQMD's regional emissions significance thresholds, however, as shown in Table 9, $PM_{2.5}$ emissions could potentially exceed the operational LSTs. It should be noted that although the emergency generators and boilers would have an increased capacity compared to the existing Central Utility Plant equipment, they would replacing equipment that is approximately 20 years or older. The newer equipment would likely be more efficient and cleaner than the older emergency generators and boilers. Additionally, the emergency generators and boilers would require permits from the SCAQMD. Once the Central Utility Plant design is finalized and the exact equipment is selected, as a part of the final permitting process, the SCAQMD will review the emissions and emission rates for permitted equipment (including the emergency generators and boilers) and ensure that health risks are minimized. Therefore, through implementation of the SCAQMD permitting process, impacts to sensitive receptors would be less than significant.

Carbon Monoxide Hot Spots

A CO hot spot is an area of localized CO pollution that is caused by severe vehicle congestion on major roadways, typically near congested intersections where idling and queuing occurs. Due to increased requirements for cleaner vehicles, equipment, and fuels, CO levels in the state have dropped substantially. All air basins are attainment or maintenance areas for CO. In 2007, the SoCAB was designated in attainment for CO under both the CAAQS and NAAQS. The CO hotspot analysis conducted by the SCAQMD for the CO attainment did not predict a violation of CO standards at the busiest intersections in Los Angeles during the peak morning and afternoon periods. The SCAQMD's 2003 AQMP and the 1992 Federal Attainment Plan for CO indicate that peak CO concentrations in the years before the attainment redesignation were a result of unusual meteorological and topographical conditions and not of congestion at a particular intersection (SCAQMD 1992, 2003). Under

existing and future vehicle emission rates, the Bay Area Air Quality Management District found that a project would have to increase traffic volumes at a single intersection by more than 44,000 vehicles per hour—or 24,000 vehicles per hour where vertical and/or horizontal air does not mix—in order to generate a significant CO impact (Bay Area Air Quality Management District 2017). The project would not result in an increase in traffic at any intersection that would exceed these volumes described above (Linscott, Law, & Greenspan 2021). Therefore, the project would not expose sensitive receptors to substantial pollutant concentrations associated with CO hot spots, and impacts would be less than significant.

Helipad

The existing hospital has a helicopter pad that is located at the northern project boundary adjacent to Inland Valley Drive. The existing helipad is located approximately 800 feet from the nearest residential use and 300 feet from the nearest off-site medical use. The project would relocate the helipad to the western project boundary adjacent to Interstate 15. The new helipad location would be further away from the nearby residential and medical uses than the existing helipad.

4. *Would the project result in other emissions, such as those leading to odors adversely affecting a substantial number of people?*

The potential for an odor impact is dependent on a number of variables, including the nature of the odor source, distance between the receptor and odor source, and local meteorological conditions. During construction, diesel equipment may generate some nuisance odors. Sensitive receptors near the project site include medical offices to the east and multi-family uses to the east and northwest; however, exposure to odors associated with project construction would be short term and temporary in nature. Additionally, all construction equipment is subject to the CARB In-Use Off-Road Diesel-Fueled Fleets Regulation. This regulation, which applies to all off-road diesel vehicles 25 horsepower or greater, limits unnecessary idling to 5 minutes, requires all construction fleets to be labeled and reported to CARB, bans Tier 0 equipment and phases out Tier 1 and 2 equipment (thereby replacing fleets with cleaner equipment), and requires that fleets comply with Best Available Control Technology requirements. CARB also limits idling time to five minutes or less. These regulatory requirements reduce construction equipment emissions, including odor emissions. Therefore, construction odor impacts would be less than significant.

The following list provides some common types of facilities that are known producers of objectionable odors (Bay Area Air Quality Management District 2017). This list of facilities is not meant to be all-inclusive.

- Wastewater Treatment Plant
- Wastewater Pumping Facilities
- Sanitary Landfill
- Transfer Station
- Composting Facility
- Petroleum Refinery
- Asphalt Batch Plant

- Chemical Manufacturing
- Fiberglass Manufacturing
- Painting/Coating Operations
- Rendering Plant
- Coffee Roaster
- Food Processing Facility
- Confined Animal Facility/Feed Lot/Dairy
- Green Waste and Recycling Operations
- Metal Smelting Plants

The project does not include any of these uses that are typically associated with odor complaints. The project does not propose any uses or activities that would result in potentially significant operational-source odor impacts. Additionally, SCAQMD Rule 402 acts to prevent occurrences of odor nuisances. Therefore, the project would not generate odors adversely affecting a substantial number of people, and impacts would be less than significant.

7.0 Conclusions

The project's potential to result in impacts to air quality was assessed in accordance with the guidelines, policies, and standards established by the City of Wildomar and the SCAQMD. The SCAQMD prepared the 2016 AQMP, which represents its contribution to the SIP, to outline the district's strategy for achieving attainment of federal and state AAQS. The 2016 AQMP provides an overview of air quality and sources of air pollution, and identifies the pollution-control measures needed to meet clean air standards. The project would include the expansion and improvements to an existing hospital campus. While the project would increase the number of hospital beds on the project site, it would not result in regional growth. Rather, it would expand its operations to better serve the existing community. The project would not result in an exceedance of the growth forecasting used to develop the AQMP. Additionally, the project would not result in an air quality violation. Therefore, the project would not conflict with or obstruct the implementation of the 2016 AQMP or applicable portions of the SIP, and impacts would be less than significant.

As shown in Tables 5 and 6, project construction and operation would not exceed the SCAQMD's thresholds of significance. Therefore, the project would not result in regional emissions that would exceed the NAAQS or CAAQS or contribute to existing violations, and impacts would be less than significant.

Construction and operation of the project is not anticipated to result in the exposure of sensitive receptors to substantial pollutant concentrations. The project would include the construction of a new Central Utility Plant to replace the existing facility. The emergency generators and boilers would be stationary sources of emissions associated with the project. As shown in Table 6, emissions are not anticipated to exceed the SCAQMD's regional emissions significance thresholds; however, as shown in Table 9, $PM_{2.5}$ emissions could potentially exceed the operational LSTs. Once the Central Utility Plant design is finalized and the exact equipment is selected, as a part of the final permitting process, the SCAQMD

will review the emissions and emission rates for permitted equipment (including the emergency generators and boilers) and ensure that health risks are minimized. Therefore, through implementation of the SCAQMD permitting process, impacts to sensitive receptors would be less than significant. Additionally, with the design of the proposed filtration system, impacts to on-site sensitive receptors due to proximity to Interstate 15, the health risks to patients and hospital staff would be less than significant.

During construction, potential odor sources associated with the project include diesel exhaust associated with construction equipment. Diesel exhaust may be noticeable; however, construction activities would be temporary, and would dissipate without affecting a substantial number of people. Operation of the project would not include any uses that would generate substantial odors. Therefore, the project would not generate odors adversely affecting a substantial number of people, and impacts would be less than significant.

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ATTACHMENTS

ATTACHMENT 1

CalEEMod Output

Air Quality - Operational Emissions (lbs/day)

WINTER	ROG	NOx	CO	SOx	PM10	PM2.5
Area	5.72	0.00	0.01	0.00	0.00	0.00
Energy	0.50	4.54	3.81	0.03	0.35	0.35
Mobile	2.51	12.70	34.31	0.15	15.19	4.14
Emergency Generators	4.76	21.29	12.14	0.02	0.70	0.70
Boilers	2.33	4.75	18.60	0.25	3.22	3.22
TOTAL	**15.82**	**43.28**	**68.88**	**0.46**	**19.46**	**8.40**
Significance Threshold	*55*	*55*	*550*	*150*	*150*	*55*

SUMMER	ROG	NOx	CO	SOx	PM10	PM2.5
Area	5.72	0.00	0.01	0.00	0.00	0.00
Energy	0.50	4.54	3.81	0.03	0.35	0.35
Mobile	2.65	12.47	37.02	0.16	15.19	4.14
Emergency Generators	4.76	21.29	12.14	0.02	0.70	0.70
Boilers	2.33	4.75	18.60	0.25	3.22	3.22
TOTAL	**15.96**	**43.05**	**71.59**	**0.46**	**19.46**	**8.40**
Significance Threshold	*55*	*55*	*550*	*150*	*150*	*55*

On-Site Only	13.31	30.58	34.56	0.30	4.26	4.26

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:			Ref.
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

Pollutant	Emission Factor	Units	Emission Factor Source	Emission Rate (g/hour) 100% Load	75% Load	50% Load	Emission Rate (lbs/hour) 100% Load	75% Load	50% Load	Max Daily 1 Generator lbs/hour, 50% load	2 Generators	Annual 1 Generator MT/year, 50% load	2 Generators
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	Units	Emission Factor 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)
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
						MT CO2E	2,806.3073	8,418.9218	1,403.1536	4,209.4609

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/M³)

		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
CO		ppm	< 45	< 45	< 50	< 45	< 60	< 50
		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	2.0×10^{-6}		2.5×10^{-6}		2.9×10^{-6}	
		g/hr	9.1×10^{-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% O_2 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 CO_2 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.

9790 Inland Valley Medical Center

South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	82.00	Bed	5.00	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/MWhr)	434.83	**CH4 Intensity (lb/MWhr)**	0.018	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity factors adjusted to relfect 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

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 Achitectural 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 -

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

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	124,426.00	145,000.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	373,277.00	435,000.00
tblAreaCoating	Area_Nonresidential_Exterior	124426	145000
tblAreaCoating	Area_Nonresidential_Interior	373277	435000
tblConstructionPhase	NumDays	20.00	84.00
tblConstructionPhase	NumDays	230.00	129.00
tblConstructionPhase	NumDays	230.00	148.00
tblConstructionPhase	NumDays	230.00	82.00
tblConstructionPhase	NumDays	230.00	292.00
tblConstructionPhase	NumDays	230.00	164.00
tblConstructionPhase	NumDays	230.00	582.00
tblConstructionPhase	NumDays	230.00	148.00
tblConstructionPhase	NumDays	20.00	136.00
tblConstructionPhase	NumDays	20.00	94.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	20.00	85.00
tblConstructionPhase	NumDays	20.00	92.00
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	10.00	15.00
tblGrading	MaterialExported	0.00	1,200.00
tblLandUse	LandUseSquareFeet	58,692.12	248,225.00
tblLandUse	LotAcreage	1.35	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.018
tblProjectCharacteristics	CO2IntensityFactor	702.44	434.83
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	HaulingTripNumber	150.00	3,188.00
tblTripsAndVMT	VendorTripNumber	66.00	73.00
tblTripsAndVMT	VendorTripNumber	66.00	73.00
tblTripsAndVMT	VendorTripNumber	66.00	73.00
tblTripsAndVMT	VendorTripNumber	66.00	73.00
tblTripsAndVMT	VendorTripNumber	66.00	73.00
tblTripsAndVMT	VendorTripNumber	66.00	73.00
tblTripsAndVMT	VendorTripNumber	66.00	73.00
tblTripsAndVMT	WorkerTripNumber	146.00	159.00
tblTripsAndVMT	WorkerTripNumber	146.00	159.00
tblTripsAndVMT	WorkerTripNumber	29.00	32.00
tblTripsAndVMT	WorkerTripNumber	146.00	159.00
tblTripsAndVMT	WorkerTripNumber	146.00	159.00
tblTripsAndVMT	WorkerTripNumber	146.00	159.00
tblTripsAndVMT	WorkerTripNumber	146.00	159.00
tblTripsAndVMT	WorkerTripNumber	146.00	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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.2533	32.1392	22.2196	0.0483	2.2445	1.5546	2.7650	0.6058	1.4442	1.5936	0.0000	4,852.5331	4,852.5331	1.0738	0.0000	4,861.9277
2022	7.2011	83.1996	61.7097	0.2184	24.3454	2.4483	26.4673	13.3091	2.2698	15.2612	0.0000	22,402.9102	22,402.9102	2.6721	0.0000	22,469.7118
2023	41.6320	72.9653	84.7465	0.2314	9.3355	2.6069	11.9424	2.5182	2.4636	4.9817	0.0000	23,070.5031	23,070.5031	2.6154	0.0000	23,135.8877
2024	2.2354	18.7518	21.9377	0.0591	2.2445	0.6313	2.8758	0.6058	0.5937	1.1995	0.0000	5,884.3234	5,884.3234	0.7431	0.0000	5,902.9002
2025	3.6407	31.1269	34.0956	0.0876	3.1552	1.1402	4.2954	0.7696	1.0675	1.8372	0.0000	8,659.5583	8,659.5583	1.3860	0.0000	8,694.2077
2026	1.0708	8.6098	14.9274	0.0241	0.1677	0.4196	0.5873	0.0445	0.3861	0.4305	0.0000	2,335.9457	2,335.9457	0.7163	0.0000	2,353.8531
Maximum	**41.6320**	**83.1996**	**84.7465**	**0.2314**	**24.3454**	**2.6069**	**26.4673**	**13.3091**	**2.4636**	**15.2612**	**0.0000**	**23,070.5031**	**23,070.5031**	**2.6721**	**0.0000**	**23,135.8877**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.2533	32.1392	22.2196	0.0483	2.2445	1.5546	2.7650	0.6058	1.4442	1.5476	0.0000	4,852.5331	4,852.5331	1.0738	0.0000	4,861.9277
2022	7.2011	83.1996	61.7097	0.2184	11.0969	2.4483	13.2188	6.0266	2.2698	7.9787	0.0000	22,402.9102	22,402.9102	2.6721	0.0000	22,469.7118
2023	41.6320	72.9653	84.7465	0.2314	9.3355	2.6069	11.9424	2.5182	2.4636	4.9817	0.0000	23,070.5031	23,070.5031	2.6154	0.0000	23,135.8877
2024	2.2354	18.7518	21.9377	0.0591	2.2445	0.6313	2.8758	0.6058	0.5937	1.1995	0.0000	5,884.3234	5,884.3234	0.7431	0.0000	5,902.9002
2025	3.6407	31.1269	34.0956	0.0876	2.7770	1.1402	3.9172	0.7124	1.0675	1.7799	0.0000	8,659.5583	8,659.5583	1.3860	0.0000	8,694.2077
2026	1.0708	8.6098	14.9274	0.0241	0.1677	0.4196	0.5873	0.0445	0.3861	0.4305	0.0000	2,335.9457	2,335.9457	0.7163	0.0000	2,353.8531
Maximum	**41.6320**	**83.1996**	**84.7465**	**0.2314**	**11.0969**	**2.6069**	**13.2188**	**6.0266**	**2.4636**	**7.9787**	**0.0000**	**23,070.5031**	**23,070.5031**	**2.6721**	**0.0000**	**23,135.8877**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**32.84**	**0.00**	**27.85**	**41.11**	**0.00**	**29.19**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.7197	8.0000e-005	8.7200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0187	0.0187	5.0000e-005		0.0200
Energy	0.5539	5.0352	4.2296	0.0302		0.3827	0.3827		0.3827	0.3827		6,042.2085	6,042.2085	0.1158	0.1108	6,078.1144
Mobile	2.5108	12.6979	34.3142	0.1536	15.0841	0.1105	15.1945	4.0349	0.1026	4.1375		15,703.9472	15,703.9472	0.6673		15,720.6285
Total	**8.7843**	**17.7331**	**38.5524**	**0.1839**	**15.0841**	**0.4932**	**15.5772**	**4.0349**	**0.4853**	**4.5202**		**21,746.1745**	**21,746.1745**	**0.7831**	**0.1108**	**21,798.7628**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.7197	8.0000e-005	8.7200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0187	0.0187	5.0000e-005		0.0200
Energy	0.4993	4.5394	3.8131	0.0272		0.3450	0.3450		0.3450	0.3450		5,447.3142	5,447.3142	0.1044	0.0999	5,479.6849
Mobile	2.5108	12.6979	34.3142	0.1536	15.0841	0.1105	15.1945	4.0349	0.1026	4.1375		15,703.9472	15,703.9472	0.6673		15,720.6285
Total	**8.7298**	**17.2374**	**38.1360**	**0.1809**	**15.0841**	**0.4555**	**15.5396**	**4.0349**	**0.4476**	**4.4825**		**21,151.2802**	**21,151.2802**	**0.7717**	**0.0999**	**21,200.3334**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.62**	**2.80**	**1.08**	**1.62**	**0.00**	**7.64**	**0.24**	**0.00**	**7.76**	**0.83**	**0.00**	**2.74**	**2.74**	**1.46**	**9.84**	**2.75**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building 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: 435,000; Non-Residential Outdoor: 145,000; 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
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
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
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

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	lb/day										lb/day					
Off-Road	1.0480	8.2124	8.9071	0.0137		0.4929	0.4929		0.4729	0.4729		1,274.6048	1,274.6048	0.2024		1,279.6657
Total	**1.0480**	**8.2124**	**8.9071**	**0.0137**		**0.4929**	**0.4929**		**0.4729**	**0.4729**		**1,274.6048**	**1,274.6048**	**0.2024**		**1,279.6657**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2138	6.9404	1.8488	0.0181	0.4672	0.0145	0.4817	0.1345	0.0138	0.1483		1,931.2164	1,931.2164	0.1292		1,934.4467
Worker	0.7333	0.4765	5.3828	0.0165	1.7773	0.0131	1.7903	0.4713	0.0121	0.4834		1,646.7119	1,646.7119	0.0441		1,647.8152
Total	**0.9471**	**7.4169**	**7.2316**	**0.0346**	**2.2445**	**0.0276**	**2.2720**	**0.6058**	**0.0259**	**0.6317**		**3,577.9283**	**3,577.9283**	**0.1733**		**3,582.2620**

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	lb/day										lb/day					
Off-Road	1.0480	8.2124	8.9071	0.0137		0.4929	0.4929		0.4729	0.4729	0.0000	1,274.6048	1,274.6048	0.2024		1,279.6657
Total	**1.0480**	**8.2124**	**8.9071**	**0.0137**		**0.4929**	**0.4929**		**0.4729**	**0.4729**	**0.0000**	**1,274.6048**	**1,274.6048**	**0.2024**		**1,279.6657**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2138	6.9404	1.8488	0.0181	0.4672	0.0145	0.4817	0.1345	0.0138	0.1483		1,931.2164	1,931.2164	0.1292		1,934.4467
Worker	0.7333	0.4765	5.3828	0.0165	1.7773	0.0131	1.7903	0.4713	0.0121	0.4834		1,646.7119	1,646.7119	0.0441		1,647.8152
Total	**0.9471**	**7.4169**	**7.2316**	**0.0346**	**2.2445**	**0.0276**	**2.2720**	**0.6058**	**0.0259**	**0.6317**		**3,577.9283**	**3,577.9283**	**0.1733**		**3,582.2620**

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	lb/day										lb/day					
Fugitive Dust					0.5529	0.0000	0.5529	0.0837	0.0000	0.0837			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**0.5529**	**1.5513**	**2.1043**	**0.0837**	**1.4411**	**1.5248**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0191	0.6536	0.1468	1.9200e-003	0.0814	2.0300e-003	0.0834	0.0213	1.9400e-003	0.0232		207.8797	207.8797	0.0147		208.2478
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0692	0.0450	0.5078	1.5600e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1400e-003	0.0456		155.3502	155.3502	4.1600e-003		155.4543
Total	**0.0882**	**0.6986**	**0.6546**	**3.4800e-003**	**0.2490**	**3.2600e-003**	**0.2523**	**0.0657**	**3.0800e-003**	**0.0688**		**363.2298**	**363.2298**	**0.0189**		**363.7021**

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	lb/day										lb/day					
Fugitive Dust					0.2488	0.0000	0.2488	0.0377	0.0000	0.0377			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**0.2488**	**1.5513**	**1.8002**	**0.0377**	**1.4411**	**1.4788**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0191	0.6536	0.1468	1.9200e-003	0.0814	2.0300e-003	0.0834	0.0213	1.9400e-003	0.0232		207.8797	207.8797	0.0147		208.2478
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0692	0.0450	0.5078	1.5600e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1400e-003	0.0456		155.3502	155.3502	4.1600e-003		155.4543
Total	**0.0882**	**0.6986**	**0.6546**	**3.4800e-003**	**0.2490**	**3.2600e-003**	**0.2523**	**0.0657**	**3.0800e-003**	**0.0688**		**363.2298**	**363.2298**	**0.0189**		**363.7021**

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	lb/day										lb/day					
Fugitive Dust					0.5529	0.0000	0.5529	0.0837	0.0000	0.0837			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	**2.6392**	**25.7194**	**20.5941**	**0.0388**	**0.5529**	**1.2427**	**1.7956**	**0.0837**	**1.1553**	**1.2390**		**3,746.7812**	**3,746.7812**	**1.0524**		**3,773.0920**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0181	0.6032	0.1448	1.9000e-003	0.0756	1.7500e-003	0.0774	0.0198	1.6700e-003	0.0215		205.3949	205.3949	0.0144		205.7559
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0406	0.4687	1.5000e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		149.7805	149.7805	3.7600e-003		149.8745
Total	**0.0832**	**0.6438**	**0.6135**	**3.4000e-003**	**0.2433**	**2.9500e-003**	**0.2462**	**0.0643**	**2.7700e-003**	**0.0671**		**355.1754**	**355.1754**	**0.0182**		**355.6304**

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	lb/day										lb/day					
Fugitive Dust					0.2488	0.0000	0.2488	0.0377	0.0000	0.0377			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	**2.6392**	**25.7194**	**20.5941**	**0.0388**	**0.2488**	**1.2427**	**1.4915**	**0.0377**	**1.1553**	**1.1929**	**0.0000**	**3,746.7812**	**3,746.7812**	**1.0524**		**3,773.0920**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0181	0.6032	0.1448	1.9000e-003	0.0756	1.7500e-003	0.0774	0.0198	1.6700e-003	0.0215		205.3949	205.3949	0.0144		205.7559
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0406	0.4687	1.5000e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		149.7805	149.7805	3.7600e-003		149.8745
Total	**0.0832**	**0.6438**	**0.6135**	**3.4000e-003**	**0.2433**	**2.9500e-003**	**0.2462**	**0.0643**	**2.7700e-003**	**0.0671**		**355.1754**	**355.1754**	**0.0182**		**355.6304**

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	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.0018	10.4693	5.8199	0.0116		0.5075	0.5075		0.4669	0.4669		1,128.2743	1,128.2743	0.3649		1,137.3970
Total	**1.0018**	**10.4693**	**5.8199**	**0.0116**	**6.0221**	**0.5075**	**6.5296**	**3.3102**	**0.4669**	**3.7771**		**1,128.2743**	**1,128.2743**	**0.3649**		**1,137.3970**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0217	0.0135	0.1562	5.0000e-004	0.0559	4.0000e-004	0.0563	0.0148	3.7000e-004	0.0152		49.9268	49.9268	1.2500e-003		49.9582
Total	**0.0217**	**0.0135**	**0.1562**	**5.0000e-004**	**0.0559**	**4.0000e-004**	**0.0563**	**0.0148**	**3.7000e-004**	**0.0152**		**49.9268**	**49.9268**	**1.2500e-003**		**49.9582**

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	lb/day										lb/day					
Fugitive Dust					2.7099	0.0000	2.7099	1.4896	0.0000	1.4896			0.0000			0.0000
Off-Road	1.0018	10.4693	5.8199	0.0116		0.5075	0.5075		0.4669	0.4669	0.0000	1,128.2743	1,128.2743	0.3649		1,137.3970
Total	**1.0018**	**10.4693**	**5.8199**	**0.0116**	**2.7099**	**0.5075**	**3.2174**	**1.4896**	**0.4669**	**1.9565**	**0.0000**	**1,128.2743**	**1,128.2743**	**0.3649**		**1,137.3970**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0217	0.0135	0.1562	5.0000e-004	0.0559	4.0000e-004	0.0563	0.0148	3.7000e-004	0.0152		49.9268	49.9268	1.2500e-003		49.9582
Total	**0.0217**	**0.0135**	**0.1562**	**5.0000e-004**	**0.0559**	**4.0000e-004**	**0.0563**	**0.0148**	**3.7000e-004**	**0.0152**		**49.9268**	**49.9268**	**1.2500e-003**		**49.9582**

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	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**18.0663**	**1.6126**	**19.6788**	**9.9307**	**1.4836**	**11.4143**		**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0781	0.0487	0.5625	1.8000e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3200e-003	0.0547		179.7366	179.7366	4.5100e-003		179.8494
Total	**0.0781**	**0.0487**	**0.5625**	**1.8000e-003**	**0.2012**	**1.4400e-003**	**0.2026**	**0.0534**	**1.3200e-003**	**0.0547**		**179.7366**	**179.7366**	**4.5100e-003**		**179.8494**

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	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**8.1298**	**1.6126**	**9.7424**	**4.4688**	**1.4836**	**5.9524**	**0.0000**	**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0781	0.0487	0.5625	1.8000e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3200e-003	0.0547		179.7366	179.7366	4.5100e-003		179.8494
Total	**0.0781**	**0.0487**	**0.5625**	**1.8000e-003**	**0.2012**	**1.4400e-003**	**0.2026**	**0.0534**	**1.3200e-003**	**0.0547**		**179.7366**	**179.7366**	**4.5100e-003**		**179.8494**

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	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2006	6.5825	1.7483	0.0179	0.4672	0.0126	0.4798	0.1345	0.0120	0.1465		1,914.0178	1,914.0178	0.1243		1,917.1255
Worker	0.6896	0.4303	4.9683	0.0159	1.7773	0.0127	1.7900	0.4713	0.0117	0.4830		1,587.6731	1,587.6731	0.0399		1,588.6694
Total	**0.8902**	**7.0128**	**6.7166**	**0.0339**	**2.2445**	**0.0253**	**2.2697**	**0.6058**	**0.0237**	**0.6295**		**3,501.6909**	**3,501.6909**	**0.1642**		**3,505.7949**

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	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2006	6.5825	1.7483	0.0179	0.4672	0.0126	0.4798	0.1345	0.0120	0.1465		1,914.0178	1,914.0178	0.1243		1,917.1255
Worker	0.6896	0.4303	4.9683	0.0159	1.7773	0.0127	1.7900	0.4713	0.0117	0.4830		1,587.6731	1,587.6731	0.0399		1,588.6694
Total	**0.8902**	**7.0128**	**6.7166**	**0.0339**	**2.2445**	**0.0253**	**2.2697**	**0.6058**	**0.0237**	**0.6295**		**3,501.6909**	**3,501.6909**	**0.1642**		**3,505.7949**

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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1497	4.9643	1.5459	0.0174	0.4672	5.8900e-003	0.4731	0.1345	5.6300e-003	0.1401		1,856.8401	1,856.8401	0.1076		1,859.5306
Worker	0.6504	0.3892	4.5791	0.0153	1.7773	0.0124	1.7896	0.4713	0.0114	0.4827		1,528.4613	1,528.4613	0.0359		1,529.3590
Total	**0.8001**	**5.3536**	**6.1250**	**0.0327**	**2.2445**	**0.0183**	**2.2627**	**0.6058**	**0.0170**	**0.6229**		**3,385.3014**	**3,385.3014**	**0.1435**		**3,388.8896**

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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1497	4.9643	1.5459	0.0174	0.4672	5.8900e-003	0.4731	0.1345	5.6300e-003	0.1401		1,856.8401	1,856.8401	0.1076		1,859.5306
Worker	0.6504	0.3892	4.5791	0.0153	1.7773	0.0124	1.7896	0.4713	0.0114	0.4827		1,528.4613	1,528.4613	0.0359		1,529.3590
Total	**0.8001**	**5.3536**	**6.1250**	**0.0327**	**2.2445**	**0.0183**	**2.2627**	**0.6058**	**0.0170**	**0.6229**		**3,385.3014**	**3,385.3014**	**0.1435**		**3,388.8896**

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	lb/day										lb/day					
Fugitive Dust					6.5569	0.0000	6.5569	3.3682	0.0000	3.3682			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**6.5569**	**0.9409**	**7.4977**	**3.3682**	**0.8656**	**4.2338**		**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7532	25.1067	6.0249	0.0789	1.8569	0.0728	1.9297	0.5089	0.0696	0.5785		8,548.7631	8,548.7631	0.6011		8,563.7909
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0406	0.4687	1.5000e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		149.7805	149.7805	3.7600e-003		149.8745
Total	**0.8182**	**25.1473**	**6.4936**	**0.0804**	**2.0245**	**0.0740**	**2.0985**	**0.5533**	**0.0707**	**0.6241**		**8,698.5436**	**8,698.5436**	**0.6049**		**8,713.6654**

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	lb/day										lb/day					
Fugitive Dust					2.9506	0.0000	2.9506	1.5157	0.0000	1.5157			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**2.9506**	**0.9409**	**3.8914**	**1.5157**	**0.8656**	**2.3813**	**0.0000**	**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7532	25.1067	6.0249	0.0789	1.8569	0.0728	1.9297	0.5089	0.0696	0.5785		8,548.7631	8,548.7631	0.6011		8,563.7909
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0406	0.4687	1.5000e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		149.7805	149.7805	3.7600e-003		149.8745
Total	**0.8182**	**25.1473**	**6.4936**	**0.0804**	**2.0245**	**0.0740**	**2.0985**	**0.5533**	**0.0707**	**0.6241**		**8,698.5436**	**8,698.5436**	**0.6049**		**8,713.6654**

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	lb/day										lb/day					
Off-Road	0.9475	7.5559	8.8330	0.0137		0.4204	0.4204		0.4037	0.4037		1,274.6048	1,274.6048	0.1981		1,279.5562
Total	**0.9475**	**7.5559**	**8.8330**	**0.0137**		**0.4204**	**0.4204**		**0.4037**	**0.4037**		**1,274.6048**	**1,274.6048**	**0.1981**		**1,279.5562**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2006	6.5825	1.7483	0.0179	0.4672	0.0126	0.4798	0.1345	0.0120	0.1465		1,914.0178	1,914.0178	0.1243		1,917.1255
Worker	0.6896	0.4303	4.9683	0.0159	1.7773	0.0127	1.7900	0.4713	0.0117	0.4830		1,587.6731	1,587.6731	0.0399		1,588.6694
Total	**0.8902**	**7.0128**	**6.7166**	**0.0339**	**2.2445**	**0.0253**	**2.2697**	**0.6058**	**0.0237**	**0.6295**		**3,501.6909**	**3,501.6909**	**0.1642**		**3,505.7949**

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	lb/day										lb/day					
Off-Road	0.9475	7.5559	8.8330	0.0137		0.4204	0.4204		0.4037	0.4037	0.0000	1,274.6048	1,274.6048	0.1981		1,279.5562
Total	**0.9475**	**7.5559**	**8.8330**	**0.0137**		**0.4204**	**0.4204**		**0.4037**	**0.4037**	**0.0000**	**1,274.6048**	**1,274.6048**	**0.1981**		**1,279.5562**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2006	6.5825	1.7483	0.0179	0.4672	0.0126	0.4798	0.1345	0.0120	0.1465		1,914.0178	1,914.0178	0.1243		1,917.1255
Worker	0.6896	0.4303	4.9683	0.0159	1.7773	0.0127	1.7900	0.4713	0.0117	0.4830		1,587.6731	1,587.6731	0.0399		1,588.6694
Total	**0.8902**	**7.0128**	**6.7166**	**0.0339**	**2.2445**	**0.0253**	**2.2697**	**0.6058**	**0.0237**	**0.6295**		**3,501.6909**	**3,501.6909**	**0.1642**		**3,505.7949**

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	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2006	6.5825	1.7483	0.0179	0.4672	0.0126	0.4798	0.1345	0.0120	0.1465		1,914.0178	1,914.0178	0.1243		1,917.1255
Worker	0.6896	0.4303	4.9683	0.0159	1.7773	0.0127	1.7900	0.4713	0.0117	0.4830		1,587.6731	1,587.6731	0.0399		1,588.6694
Total	**0.8902**	**7.0128**	**6.7166**	**0.0339**	**2.2445**	**0.0253**	**2.2697**	**0.6058**	**0.0237**	**0.6295**		**3,501.6909**	**3,501.6909**	**0.1642**		**3,505.7949**

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	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2006	6.5825	1.7483	0.0179	0.4672	0.0126	0.4798	0.1345	0.0120	0.1465		1,914.0178	1,914.0178	0.1243		1,917.1255
Worker	0.6896	0.4303	4.9683	0.0159	1.7773	0.0127	1.7900	0.4713	0.0117	0.4830		1,587.6731	1,587.6731	0.0399		1,588.6694
Total	**0.8902**	**7.0128**	**6.7166**	**0.0339**	**2.2445**	**0.0253**	**2.2697**	**0.6058**	**0.0237**	**0.6295**		**3,501.6909**	**3,501.6909**	**0.1642**		**3,505.7949**

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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1497	4.9643	1.5459	0.0174	0.4672	5.8900e-003	0.4731	0.1345	5.6300e-003	0.1401		1,856.8401	1,856.8401	0.1076		1,859.5306
Worker	0.6504	0.3892	4.5791	0.0153	1.7773	0.0124	1.7896	0.4713	0.0114	0.4827		1,528.4613	1,528.4613	0.0359		1,529.3590
Total	**0.8001**	**5.3536**	**6.1250**	**0.0327**	**2.2445**	**0.0183**	**2.2627**	**0.6058**	**0.0170**	**0.6229**		**3,385.3014**	**3,385.3014**	**0.1435**		**3,388.8896**

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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1497	4.9643	1.5459	0.0174	0.4672	5.8900e-003	0.4731	0.1345	5.6300e-003	0.1401		1,856.8401	1,856.8401	0.1076		1,859.5306
Worker	0.6504	0.3892	4.5791	0.0153	1.7773	0.0124	1.7896	0.4713	0.0114	0.4827		1,528.4613	1,528.4613	0.0359		1,529.3590
Total	**0.8001**	**5.3536**	**6.1250**	**0.0327**	**2.2445**	**0.0183**	**2.2627**	**0.6058**	**0.0170**	**0.6229**		**3,385.3014**	**3,385.3014**	**0.1435**		**3,388.8896**

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	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1465	4.9535	1.5016	0.0173	0.4672	5.8000e-003	0.4730	0.1345	5.5500e-003	0.1401		1,850.5247	1,850.5247	0.1059		1,853.1708
Worker	0.6174	0.3546	4.2693	0.0148	1.7773	0.0122	1.7895	0.4713	0.0112	0.4826		1,478.0998	1,478.0998	0.0329		1,478.9217
Total	**0.7638**	**5.3081**	**5.7709**	**0.0321**	**2.2445**	**0.0180**	**2.2625**	**0.6058**	**0.0168**	**0.6226**		**3,328.6245**	**3,328.6245**	**0.1387**		**3,332.0925**

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	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1465	4.9535	1.5016	0.0173	0.4672	5.8000e-003	0.4730	0.1345	5.5500e-003	0.1401		1,850.5247	1,850.5247	0.1059		1,853.1708
Worker	0.6174	0.3546	4.2693	0.0148	1.7773	0.0122	1.7895	0.4713	0.0112	0.4826		1,478.0998	1,478.0998	0.0329		1,478.9217
Total	**0.7638**	**5.3081**	**5.7709**	**0.0321**	**2.2445**	**0.0180**	**2.2625**	**0.6058**	**0.0168**	**0.6226**		**3,328.6245**	**3,328.6245**	**0.1387**		**3,332.0925**

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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1497	4.9643	1.5459	0.0174	0.4672	5.8900e-003	0.4731	0.1345	5.6300e-003	0.1401		1,856.8401	1,856.8401	0.1076		1,859.5306
Worker	0.6504	0.3892	4.5791	0.0153	1.7773	0.0124	1.7896	0.4713	0.0114	0.4827		1,528.4613	1,528.4613	0.0359		1,529.3590
Total	**0.8001**	**5.3536**	**6.1250**	**0.0327**	**2.2445**	**0.0183**	**2.2627**	**0.6058**	**0.0170**	**0.6229**		**3,385.3014**	**3,385.3014**	**0.1435**		**3,388.8896**

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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1497	4.9643	1.5459	0.0174	0.4672	5.8900e-003	0.4731	0.1345	5.6300e-003	0.1401		1,856.8401	1,856.8401	0.1076		1,859.5306
Worker	0.6504	0.3892	4.5791	0.0153	1.7773	0.0124	1.7896	0.4713	0.0114	0.4827		1,528.4613	1,528.4613	0.0359		1,529.3590
Total	**0.8001**	**5.3536**	**6.1250**	**0.0327**	**2.2445**	**0.0183**	**2.2627**	**0.6058**	**0.0170**	**0.6229**		**3,385.3014**	**3,385.3014**	**0.1435**		**3,388.8896**

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	lb/day										lb/day					
Off-Road	0.8680	7.0152	8.7817	0.0137		0.3613	0.3613		0.3471	0.3471		1,274.6048	1,274.6048	0.1937		1,279.4466
Total	**0.8680**	**7.0152**	**8.7817**	**0.0137**		**0.3613**	**0.3613**		**0.3471**	**0.3471**		**1,274.6048**	**1,274.6048**	**0.1937**		**1,279.4466**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1497	4.9643	1.5459	0.0174	0.4672	5.8900e-003	0.4731	0.1345	5.6300e-003	0.1401		1,856.8401	1,856.8401	0.1076		1,859.5306
Worker	0.6504	0.3892	4.5791	0.0153	1.7773	0.0124	1.7896	0.4713	0.0114	0.4827		1,528.4613	1,528.4613	0.0359		1,529.3590
Total	**0.8001**	**5.3536**	**6.1250**	**0.0327**	**2.2445**	**0.0183**	**2.2627**	**0.6058**	**0.0170**	**0.6229**		**3,385.3014**	**3,385.3014**	**0.1435**		**3,388.8896**

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	lb/day										lb/day					
Off-Road	0.8680	7.0152	8.7817	0.0137		0.3613	0.3613		0.3471	0.3471	0.0000	1,274.6048	1,274.6048	0.1937		1,279.4466
Total	**0.8680**	**7.0152**	**8.7817**	**0.0137**		**0.3613**	**0.3613**		**0.3471**	**0.3471**	**0.0000**	**1,274.6048**	**1,274.6048**	**0.1937**		**1,279.4466**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1497	4.9643	1.5459	0.0174	0.4672	5.8900e-003	0.4731	0.1345	5.6300e-003	0.1401		1,856.8401	1,856.8401	0.1076		1,859.5306
Worker	0.6504	0.3892	4.5791	0.0153	1.7773	0.0124	1.7896	0.4713	0.0114	0.4827		1,528.4613	1,528.4613	0.0359		1,529.3590
Total	**0.8001**	**5.3536**	**6.1250**	**0.0327**	**2.2445**	**0.0183**	**2.2627**	**0.6058**	**0.0170**	**0.6229**		**3,385.3014**	**3,385.3014**	**0.1435**		**3,388.8896**

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	lb/day										lb/day					
Archit. Coating	32.5228					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**32.7144**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1309	0.0783	0.9216	3.0900e-003	0.3577	2.4900e-003	0.3602	0.0949	2.2900e-003	0.0972		307.6149	307.6149	7.2300e-003		307.7955
Total	**0.1309**	**0.0783**	**0.9216**	**3.0900e-003**	**0.3577**	**2.4900e-003**	**0.3602**	**0.0949**	**2.2900e-003**	**0.0972**		**307.6149**	**307.6149**	**7.2300e-003**		**307.7955**

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	lb/day										lb/day					
Archit. Coating	32.5228					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**32.7144**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1309	0.0783	0.9216	3.0900e-003	0.3577	2.4900e-003	0.3602	0.0949	2.2900e-003	0.0972		307.6149	307.6149	7.2300e-003		307.7955
Total	**0.1309**	**0.0783**	**0.9216**	**3.0900e-003**	**0.3577**	**2.4900e-003**	**0.3602**	**0.0949**	**2.2900e-003**	**0.0972**		**307.6149**	**307.6149**	**7.2300e-003**		**307.7955**

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	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.1110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0991**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0335	0.4028	1.4000e-003	0.1677	1.1500e-003	0.1688	0.0445	1.0600e-003	0.0455		139.4434	139.4434	3.1000e-003		139.5209
Total	**0.0582**	**0.0335**	**0.4028**	**1.4000e-003**	**0.1677**	**1.1500e-003**	**0.1688**	**0.0445**	**1.0600e-003**	**0.0455**		**139.4434**	**139.4434**	**3.1000e-003**		**139.5209**

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	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.1110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0991**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0335	0.4028	1.4000e-003	0.1677	1.1500e-003	0.1688	0.0445	1.0600e-003	0.0455		139.4434	139.4434	3.1000e-003		139.5209
Total	**0.0582**	**0.0335**	**0.4028**	**1.4000e-003**	**0.1677**	**1.1500e-003**	**0.1688**	**0.0445**	**1.0600e-003**	**0.0455**		**139.4434**	**139.4434**	**3.1000e-003**		**139.5209**

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	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0261**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0555	0.0306	0.3740	1.3400e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0400e-003	0.0455		133.9505	133.9505	2.8300e-003		134.0212
Total	**0.0555**	**0.0306**	**0.3740**	**1.3400e-003**	**0.1677**	**1.1300e-003**	**0.1688**	**0.0445**	**1.0400e-003**	**0.0455**		**133.9505**	**133.9505**	**2.8300e-003**		**134.0212**

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	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0261**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0555	0.0306	0.3740	1.3400e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0400e-003	0.0455		133.9505	133.9505	2.8300e-003		134.0212
Total	**0.0555**	**0.0306**	**0.3740**	**1.3400e-003**	**0.1677**	**1.1300e-003**	**0.1688**	**0.0445**	**1.0400e-003**	**0.0455**		**133.9505**	**133.9505**	**2.8300e-003**		**134.0212**

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	lb/day										lb/day					
Off-Road	0.7469	6.1931	8.7124	0.0137		0.2677	0.2677		0.2572	0.2572		1,274.6048	1,274.6048	0.1864		1,279.2639
Total	**0.7469**	**6.1931**	**8.7124**	**0.0137**		**0.2677**	**0.2677**		**0.2572**	**0.2572**		**1,274.6048**	**1,274.6048**	**0.1864**		**1,279.2639**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1427	4.9102	1.4623	0.0172	0.4672	5.7000e-003	0.4729	0.1345	5.4500e-003	0.1400		1,840.3188	1,840.3188	0.1041		1,842.9202
Worker	0.5881	0.3242	3.9639	0.0142	1.7773	0.0120	1.7892	0.4713	0.0110	0.4824		1,419.8755	1,419.8755	0.0300		1,420.6242
Total	**0.7308**	**5.2343**	**5.4263**	**0.0314**	**2.2445**	**0.0177**	**2.2621**	**0.6058**	**0.0165**	**0.6223**		**3,260.1943**	**3,260.1943**	**0.1340**		**3,263.5443**

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	lb/day										lb/day					
Off-Road	0.7469	6.1931	8.7124	0.0137		0.2677	0.2677		0.2572	0.2572	0.0000	1,274.6048	1,274.6048	0.1864		1,279.2639
Total	**0.7469**	**6.1931**	**8.7124**	**0.0137**		**0.2677**	**0.2677**		**0.2572**	**0.2572**	**0.0000**	**1,274.6048**	**1,274.6048**	**0.1864**		**1,279.2639**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1427	4.9102	1.4623	0.0172	0.4672	5.7000e-003	0.4729	0.1345	5.4500e-003	0.1400		1,840.3188	1,840.3188	0.1041		1,842.9202
Worker	0.5881	0.3242	3.9639	0.0142	1.7773	0.0120	1.7892	0.4713	0.0110	0.4824		1,419.8755	1,419.8755	0.0300		1,420.6242
Total	**0.7308**	**5.2343**	**5.4263**	**0.0314**	**2.2445**	**0.0177**	**2.2621**	**0.6058**	**0.0165**	**0.6223**		**3,260.1943**	**3,260.1943**	**0.1340**		**3,263.5443**

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	lb/day										lb/day					
Fugitive Dust					0.6876	0.0000	0.6876	0.1041	0.0000	0.1041			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	**2.0926**	**19.1966**	**19.4184**	**0.0388**	**0.6876**	**0.8528**	**1.5404**	**0.1041**	**0.7920**	**0.8961**		**3,747.5996**	**3,747.5996**	**1.0464**		**3,773.7606**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0149	0.4723	0.1646	2.2400e-003	0.0555	8.9000e-004	0.0564	0.0152	8.5000e-004	0.0161		243.2092	243.2092	0.0163		243.6177
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0555	0.0306	0.3740	1.3400e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0400e-003	0.0455		133.9505	133.9505	2.8300e-003		134.0212
Total	**0.0704**	**0.5028**	**0.5385**	**3.5800e-003**	**0.2232**	**2.0200e-003**	**0.2252**	**0.0597**	**1.8900e-003**	**0.0616**		**377.1597**	**377.1597**	**0.0192**		**377.6388**

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	lb/day										lb/day					
Fugitive Dust					0.3094	0.0000	0.3094	0.0469	0.0000	0.0469			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	**2.0926**	**19.1966**	**19.4184**	**0.0388**	**0.3094**	**0.8528**	**1.1622**	**0.0469**	**0.7920**	**0.8388**	**0.0000**	**3,747.5996**	**3,747.5996**	**1.0464**		**3,773.7606**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0149	0.4723	0.1646	2.2400e-003	0.0555	8.9000e-004	0.0564	0.0152	8.5000e-004	0.0161		243.2092	243.2092	0.0163		243.6177
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0555	0.0306	0.3740	1.3400e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0400e-003	0.0455		133.9505	133.9505	2.8300e-003		134.0212
Total	**0.0704**	**0.5028**	**0.5385**	**3.5800e-003**	**0.2232**	**2.0200e-003**	**0.2252**	**0.0597**	**1.8900e-003**	**0.0616**		**377.1597**	**377.1597**	**0.0192**		**377.6388**

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	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1025					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0177**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0555	0.0306	0.3740	1.3400e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0400e-003	0.0455		133.9505	133.9505	2.8300e-003		134.0212
Total	**0.0555**	**0.0306**	**0.3740**	**1.3400e-003**	**0.1677**	**1.1300e-003**	**0.1688**	**0.0445**	**1.0400e-003**	**0.0455**		**133.9505**	**133.9505**	**2.8300e-003**		**134.0212**

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	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1025					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0177**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0555	0.0306	0.3740	1.3400e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0400e-003	0.0455		133.9505	133.9505	2.8300e-003		134.0212
Total	**0.0555**	**0.0306**	**0.3740**	**1.3400e-003**	**0.1677**	**1.1300e-003**	**0.1688**	**0.0445**	**1.0400e-003**	**0.0455**		**133.9505**	**133.9505**	**2.8300e-003**		**134.0212**

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	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1025					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0177**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0531	0.0282	0.3494	1.3000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0100e-003	0.0455		129.2006	129.2006	2.5900e-003		129.2653
Total	**0.0531**	**0.0282**	**0.3494**	**1.3000e-003**	**0.1677**	**1.0900e-003**	**0.1688**	**0.0445**	**1.0100e-003**	**0.0455**		**129.2006**	**129.2006**	**2.5900e-003**		**129.2653**

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	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1025					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0177**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0531	0.0282	0.3494	1.3000e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0100e-003	0.0455		129.2006	129.2006	2.5900e-003		129.2653
Total	**0.0531**	**0.0282**	**0.3494**	**1.3000e-003**	**0.1677**	**1.0900e-003**	**0.1688**	**0.0445**	**1.0100e-003**	**0.0455**		**129.2006**	**129.2006**	**2.5900e-003**		**129.2653**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.5108	12.6979	34.3142	0.1536	15.0841	0.1105	15.1945	4.0349	0.1026	4.1375		15,703.9472	15,703.9472	0.6673		15,720.6285
Unmitigated	2.5108	12.6979	34.3142	0.1536	15.0841	0.1105	15.1945	4.0349	0.1026	4.1375		15,703.9472	15,703.9472	0.6673		15,720.6285

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hospital	1,830.24	1,151.28	1016.80	6,269,008	6,269,008
Parking Lot	0.00	0.00	0.00		
Total	1,830.24	1,151.28	1,016.80	6,269,008	6,269,008

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.4993	4.5394	3.8131	0.0272		0.3450	0.3450		0.3450	0.3450		5,447.3142	5,447.3142	0.1044	0.0999	5,479.6849
NaturalGas Unmitigated	0.5539	5.0352	4.2296	0.0302		0.3827	0.3827		0.3827	0.3827		6,042.2085	6,042.2085	0.1158	0.1108	6,078.1144

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hospital	51358.8	0.5539	5.0352	4.2296	0.0302		0.3827	0.3827		0.3827	0.3827		6,042.2085	6,042.2085	0.1158	0.1108	6,078.1144
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.5539**	**5.0352**	**4.2296**	**0.0302**		**0.3827**	**0.3827**		**0.3827**	**0.3827**		**6,042.2085**	**6,042.2085**	**0.1158**	**0.1108**	**6,078.1144**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hospital	46.3022	0.4993	4.5394	3.8131	0.0272		0.3450	0.3450		0.3450	0.3450		5,447.3142	5,447.3142	0.1044	0.0999	5,479.6849
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.4993**	**4.5394**	**3.8131**	**0.0272**		**0.3450**	**0.3450**		**0.3450**	**0.3450**		**5,447.3142**	**5,447.3142**	**0.1044**	**0.0999**	**5,479.6849**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.7197	8.0000e-005	8.7200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0187	0.0187	5.0000e-005		0.0200
Unmitigated	5.7197	8.0000e-005	8.7200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0187	0.0187	5.0000e-005		0.0200

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7485					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.9704					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-004	8.0000e-005	8.7200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0187	0.0187	5.0000e-005		0.0200
Total	**5.7197**	**8.0000e-005**	**8.7200e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0187**	**0.0187**	**5.0000e-005**		**0.0200**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7485					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.9704					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-004	8.0000e-005	8.7200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0187	0.0187	5.0000e-005		0.0200
Total	**5.7197**	**8.0000e-005**	**8.7200e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0187**	**0.0187**	**5.0000e-005**		**0.0200**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	82.00	Bed	5.00	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/MWhr)	434.83	**CH4 Intensity (lb/MWhr)**	0.018	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity factors adjusted to relfect 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

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 Achitectural 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 -

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

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	124,426.00	145,000.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	373,277.00	435,000.00
tblAreaCoating	Area_Nonresidential_Exterior	124426	145000
tblAreaCoating	Area_Nonresidential_Interior	373277	435000
tblConstructionPhase	NumDays	20.00	84.00
tblConstructionPhase	NumDays	230.00	129.00
tblConstructionPhase	NumDays	230.00	148.00
tblConstructionPhase	NumDays	230.00	82.00
tblConstructionPhase	NumDays	230.00	292.00
tblConstructionPhase	NumDays	230.00	164.00
tblConstructionPhase	NumDays	230.00	582.00
tblConstructionPhase	NumDays	230.00	148.00
tblConstructionPhase	NumDays	20.00	136.00
tblConstructionPhase	NumDays	20.00	94.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	20.00	85.00
tblConstructionPhase	NumDays	20.00	92.00
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	10.00	15.00
tblGrading	MaterialExported	0.00	1,200.00
tblLandUse	LandUseSquareFeet	58,692.12	248,225.00
tblLandUse	LotAcreage	1.35	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.018
tblProjectCharacteristics	CO2IntensityFactor	702.44	434.83
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	HaulingTripNumber	150.00	3,188.00
tblTripsAndVMT	VendorTripNumber	66.00	73.00
tblTripsAndVMT	VendorTripNumber	66.00	73.00
tblTripsAndVMT	VendorTripNumber	66.00	73.00
tblTripsAndVMT	VendorTripNumber	66.00	73.00
tblTripsAndVMT	VendorTripNumber	66.00	73.00
tblTripsAndVMT	VendorTripNumber	66.00	73.00
tblTripsAndVMT	VendorTripNumber	66.00	73.00
tblTripsAndVMT	WorkerTripNumber	146.00	159.00
tblTripsAndVMT	WorkerTripNumber	146.00	159.00
tblTripsAndVMT	WorkerTripNumber	29.00	32.00
tblTripsAndVMT	WorkerTripNumber	146.00	159.00
tblTripsAndVMT	WorkerTripNumber	146.00	159.00
tblTripsAndVMT	WorkerTripNumber	146.00	159.00
tblTripsAndVMT	WorkerTripNumber	146.00	159.00
tblTripsAndVMT	WorkerTripNumber	146.00	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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.2470	32.1277	22.2668	0.0500	2.2445	1.5546	2.7645	0.6058	1.4441	1.5936	0.0000	5,024.1769	5,024.1769	1.0735	0.0000	5,033.4292
2022	7.0341	82.9088	62.8606	0.2233	24.3454	2.4479	26.4673	13.3091	2.2694	15.2612	0.0000	22,910.6313	22,910.6313	2.6376	0.0000	22,976.5711
2023	41.3560	72.9531	86.4415	0.2379	9.3355	2.6058	11.9413	2.5182	2.4625	4.9807	0.0000	23,734.7935	23,734.7935	2.6002	0.0000	23,799.7973
2024	2.1709	18.7520	22.3112	0.0606	2.2445	0.6311	2.8755	0.6058	0.5935	1.1993	0.0000	6,041.1946	6,041.1946	0.7392	0.0000	6,059.6733
2025	3.5718	31.1246	34.4780	0.0892	3.1552	1.1400	4.2952	0.7696	1.0673	1.8370	0.0000	8,825.6333	8,825.6333	1.3818	0.0000	8,860.1776
2026	1.0656	8.6074	14.9699	0.0242	0.1677	0.4196	0.5873	0.0445	0.3861	0.4305	0.0000	2,344.9329	2,344.9329	0.7165	0.0000	2,362.8453
Maximum	**41.3560**	**82.9088**	**86.4415**	**0.2379**	**24.3454**	**2.6058**	**26.4673**	**13.3091**	**2.4625**	**15.2612**	**0.0000**	**23,734.7935**	**23,734.7935**	**2.6376**	**0.0000**	**23,799.7973**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.2470	32.1277	22.2668	0.0500	2.2445	1.5546	2.7645	0.6058	1.4441	1.5475	0.0000	5,024.1769	5,024.1769	1.0735	0.0000	5,033.4292
2022	7.0341	82.9088	62.8606	0.2233	11.0969	2.4479	13.2188	6.0266	2.2694	7.9787	0.0000	22,910.6313	22,910.6313	2.6376	0.0000	22,976.5711
2023	41.3560	72.9531	86.4415	0.2379	9.3355	2.6058	11.9413	2.5182	2.4625	4.9807	0.0000	23,734.7935	23,734.7935	2.6002	0.0000	23,799.7973
2024	2.1709	18.7520	22.3112	0.0606	2.2445	0.6311	2.8755	0.6058	0.5935	1.1993	0.0000	6,041.1946	6,041.1946	0.7392	0.0000	6,059.6733
2025	3.5718	31.1246	34.4780	0.0892	2.7770	1.1400	3.9170	0.7124	1.0673	1.7797	0.0000	8,825.6333	8,825.6333	1.3818	0.0000	8,860.1775
2026	1.0656	8.6074	14.9699	0.0242	0.1677	0.4196	0.5873	0.0445	0.3861	0.4305	0.0000	2,344.9329	2,344.9329	0.7165	0.0000	2,362.8453
Maximum	**41.3560**	**82.9088**	**86.4415**	**0.2379**	**11.0969**	**2.6058**	**13.2188**	**6.0266**	**2.4625**	**7.9787**	**0.0000**	**23,734.7935**	**23,734.7935**	**2.6376**	**0.0000**	**23,799.7973**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**32.84**	**0.00**	**27.85**	**41.11**	**0.00**	**29.19**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.7197	8.0000e-005	8.7200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0187	0.0187	5.0000e-005		0.0200
Energy	0.5539	5.0352	4.2296	0.0302		0.3827	0.3827		0.3827	0.3827		6,042.2085	6,042.2085	0.1158	0.1108	6,078.1144
Mobile	2.6486	12.4715	37.0246	0.1621	15.0841	0.1101	15.1942	4.0349	0.1022	4.1371		16,552.2864	16,552.2864	0.6685		16,568.9985
Total	**8.9221**	**17.5068**	**41.2629**	**0.1923**	**15.0841**	**0.4928**	**15.5769**	**4.0349**	**0.4849**	**4.5198**		**22,594.5137**	**22,594.5137**	**0.7843**	**0.1108**	**22,647.1328**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.7197	8.0000e-005	8.7200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0187	0.0187	5.0000e-005		0.0200
Energy	0.4993	4.5394	3.8131	0.0272		0.3450	0.3450		0.3450	0.3450		5,447.3142	5,447.3142	0.1044	0.0999	5,479.6849
Mobile	2.6486	12.4715	37.0246	0.1621	15.0841	0.1101	15.1942	4.0349	0.1022	4.1371		16,552.2864	16,552.2864	0.6685		16,568.9985
Total	**8.8676**	**17.0110**	**40.8465**	**0.1893**	**15.0841**	**0.4551**	**15.5392**	**4.0349**	**0.4473**	**4.4822**		**21,999.6193**	**21,999.6193**	**0.7729**	**0.0999**	**22,048.7033**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.61**	**2.83**	**1.01**	**1.54**	**0.00**	**7.64**	**0.24**	**0.00**	**7.77**	**0.83**	**0.00**	**2.63**	**2.63**	**1.45**	**9.84**	**2.64**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building 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: 435,000; Non-Residential Outdoor: 145,000; 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
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
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
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

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	lb/day										lb/day					
Off-Road	1.0480	8.2124	8.9071	0.0137		0.4929	0.4929		0.4729	0.4729		1,274.6048	1,274.6048	0.2024		1,279.6657
Total	**1.0480**	**8.2124**	**8.9071**	**0.0137**		**0.4929**	**0.4929**		**0.4729**	**0.4729**		**1,274.6048**	**1,274.6048**	**0.2024**		**1,279.6657**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2031	6.9624	1.6522	0.0186	0.4672	0.0140	0.4812	0.1345	0.0134	0.1479		1,988.8008	1,988.8008	0.1203		1,991.8084
Worker	0.6712	0.4353	5.9899	0.0177	1.7773	0.0131	1.7903	0.4713	0.0121	0.4834		1,760.7713	1,760.7713	0.0474		1,761.9550
Total	**0.8743**	**7.3977**	**7.6421**	**0.0363**	**2.2445**	**0.0271**	**2.2716**	**0.6058**	**0.0255**	**0.6313**		**3,749.5721**	**3,749.5721**	**0.1677**		**3,753.7634**

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	lb/day										lb/day					
Off-Road	1.0480	8.2124	8.9071	0.0137		0.4929	0.4929		0.4729	0.4729	0.0000	1,274.6048	1,274.6048	0.2024		1,279.6657
Total	**1.0480**	**8.2124**	**8.9071**	**0.0137**		**0.4929**	**0.4929**		**0.4729**	**0.4729**	**0.0000**	**1,274.6048**	**1,274.6048**	**0.2024**		**1,279.6657**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2031	6.9624	1.6522	0.0186	0.4672	0.0140	0.4812	0.1345	0.0134	0.1479		1,988.8008	1,988.8008	0.1203		1,991.8084
Worker	0.6712	0.4353	5.9899	0.0177	1.7773	0.0131	1.7903	0.4713	0.0121	0.4834		1,760.7713	1,760.7713	0.0474		1,761.9550
Total	**0.8743**	**7.3977**	**7.6421**	**0.0363**	**2.2445**	**0.0271**	**2.2716**	**0.6058**	**0.0255**	**0.6313**		**3,749.5721**	**3,749.5721**	**0.1677**		**3,753.7634**

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	lb/day										lb/day					
Fugitive Dust					0.5529	0.0000	0.5529	0.0837	0.0000	0.0837			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**0.5529**	**1.5513**	**2.1043**	**0.0837**	**1.4411**	**1.5248**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0185	0.6459	0.1367	1.9600e-003	0.0814	2.0000e-003	0.0834	0.0213	1.9200e-003	0.0232		211.7973	211.7973	0.0141		212.1506
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0411	0.5651	1.6700e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1400e-003	0.0456		166.1105	166.1105	4.4700e-003		166.2222
Total	**0.0819**	**0.6870**	**0.7018**	**3.6300e-003**	**0.2490**	**3.2300e-003**	**0.2523**	**0.0657**	**3.0600e-003**	**0.0688**		**377.9078**	**377.9078**	**0.0186**		**378.3728**

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	lb/day										lb/day					
Fugitive Dust					0.2488	0.0000	0.2488	0.0377	0.0000	0.0377			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**	**0.2488**	**1.5513**	**1.8002**	**0.0377**	**1.4411**	**1.4788**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0185	0.6459	0.1367	1.9600e-003	0.0814	2.0000e-003	0.0834	0.0213	1.9200e-003	0.0232		211.7973	211.7973	0.0141		212.1506
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0411	0.5651	1.6700e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1400e-003	0.0456		166.1105	166.1105	4.4700e-003		166.2222
Total	**0.0819**	**0.6870**	**0.7018**	**3.6300e-003**	**0.2490**	**3.2300e-003**	**0.2523**	**0.0657**	**3.0600e-003**	**0.0688**		**377.9078**	**377.9078**	**0.0186**		**378.3728**

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	lb/day										lb/day					
Fugitive Dust					0.5529	0.0000	0.5529	0.0837	0.0000	0.0837			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	**2.6392**	**25.7194**	**20.5941**	**0.0388**	**0.5529**	**1.2427**	**1.7956**	**0.0837**	**1.1553**	**1.2390**		**3,746.7812**	**3,746.7812**	**1.0524**		**3,773.0920**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0176	0.5968	0.1352	1.9300e-003	0.0756	1.7200e-003	0.0773	0.0198	1.6500e-003	0.0215		209.2991	209.2991	0.0139		209.6460
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0594	0.0371	0.5225	1.6100e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		160.1586	160.1586	4.0400e-003		160.2595
Total	**0.0770**	**0.6339**	**0.6577**	**3.5400e-003**	**0.2433**	**2.9200e-003**	**0.2462**	**0.0643**	**2.7500e-003**	**0.0671**		**369.4577**	**369.4577**	**0.0179**		**369.9055**

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	lb/day										lb/day					
Fugitive Dust					0.2488	0.0000	0.2488	0.0377	0.0000	0.0377			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	**2.6392**	**25.7194**	**20.5941**	**0.0388**	**0.2488**	**1.2427**	**1.4915**	**0.0377**	**1.1553**	**1.1929**	**0.0000**	**3,746.7812**	**3,746.7812**	**1.0524**		**3,773.0920**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0176	0.5968	0.1352	1.9300e-003	0.0756	1.7200e-003	0.0773	0.0198	1.6500e-003	0.0215		209.2991	209.2991	0.0139		209.6460
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0594	0.0371	0.5225	1.6100e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		160.1586	160.1586	4.0400e-003		160.2595
Total	**0.0770**	**0.6339**	**0.6577**	**3.5400e-003**	**0.2433**	**2.9200e-003**	**0.2462**	**0.0643**	**2.7500e-003**	**0.0671**		**369.4577**	**369.4577**	**0.0179**		**369.9055**

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	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.0018	10.4693	5.8199	0.0116		0.5075	0.5075		0.4669	0.4669		1,128.2743	1,128.2743	0.3649		1,137.3970
Total	**1.0018**	**10.4693**	**5.8199**	**0.0116**	**6.0221**	**0.5075**	**6.5296**	**3.3102**	**0.4669**	**3.7771**		**1,128.2743**	**1,128.2743**	**0.3649**		**1,137.3970**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0198	0.0124	0.1742	5.4000e-004	0.0559	4.0000e-004	0.0563	0.0148	3.7000e-004	0.0152		53.3862	53.3862	1.3500e-003		53.4198
Total	**0.0198**	**0.0124**	**0.1742**	**5.4000e-004**	**0.0559**	**4.0000e-004**	**0.0563**	**0.0148**	**3.7000e-004**	**0.0152**		**53.3862**	**53.3862**	**1.3500e-003**		**53.4198**

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	lb/day										lb/day					
Fugitive Dust					2.7099	0.0000	2.7099	1.4896	0.0000	1.4896			0.0000			0.0000
Off-Road	1.0018	10.4693	5.8199	0.0116		0.5075	0.5075		0.4669	0.4669	0.0000	1,128.2743	1,128.2743	0.3649		1,137.3970
Total	**1.0018**	**10.4693**	**5.8199**	**0.0116**	**2.7099**	**0.5075**	**3.2174**	**1.4896**	**0.4669**	**1.9565**	**0.0000**	**1,128.2743**	**1,128.2743**	**0.3649**		**1,137.3970**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0198	0.0124	0.1742	5.4000e-004	0.0559	4.0000e-004	0.0563	0.0148	3.7000e-004	0.0152		53.3862	53.3862	1.3500e-003		53.4198
Total	**0.0198**	**0.0124**	**0.1742**	**5.4000e-004**	**0.0559**	**4.0000e-004**	**0.0563**	**0.0148**	**3.7000e-004**	**0.0152**		**53.3862**	**53.3862**	**1.3500e-003**		**53.4198**

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	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**18.0663**	**1.6126**	**19.6788**	**9.9307**	**1.4836**	**11.4143**		**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0445	0.6270	1.9300e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3200e-003	0.0547		192.1903	192.1903	4.8400e-003		192.3114
Total	**0.0713**	**0.0445**	**0.6270**	**1.9300e-003**	**0.2012**	**1.4400e-003**	**0.2026**	**0.0534**	**1.3200e-003**	**0.0547**		**192.1903**	**192.1903**	**4.8400e-003**		**192.3114**

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	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**8.1298**	**1.6126**	**9.7424**	**4.4688**	**1.4836**	**5.9524**	**0.0000**	**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0445	0.6270	1.9300e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3200e-003	0.0547		192.1903	192.1903	4.8400e-003		192.3114
Total	**0.0713**	**0.0445**	**0.6270**	**1.9300e-003**	**0.2012**	**1.4400e-003**	**0.2026**	**0.0534**	**1.3200e-003**	**0.0547**		**192.1903**	**192.1903**	**4.8400e-003**		**192.3114**

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	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1905	6.6089	1.5615	0.0185	0.4672	0.0122	0.4794	0.1345	0.0116	0.1461		1,971.4316	1,971.4316	0.1158		1,974.3270
Worker	0.6296	0.3932	5.5388	0.0170	1.7773	0.0127	1.7900	0.4713	0.0117	0.4830		1,697.6811	1,697.6811	0.0428		1,698.7509
Total	**0.8201**	**7.0021**	**7.1003**	**0.0355**	**2.2445**	**0.0249**	**2.2693**	**0.6058**	**0.0233**	**0.6292**		**3,669.1127**	**3,669.1127**	**0.1586**		**3,673.0779**

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	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1905	6.6089	1.5615	0.0185	0.4672	0.0122	0.4794	0.1345	0.0116	0.1461		1,971.4316	1,971.4316	0.1158		1,974.3270
Worker	0.6296	0.3932	5.5388	0.0170	1.7773	0.0127	1.7900	0.4713	0.0117	0.4830		1,697.6811	1,697.6811	0.0428		1,698.7509
Total	**0.8201**	**7.0021**	**7.1003**	**0.0355**	**2.2445**	**0.0249**	**2.2693**	**0.6058**	**0.0233**	**0.6292**		**3,669.1127**	**3,669.1127**	**0.1586**		**3,673.0779**

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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1421	4.9964	1.4068	0.0179	0.4672	5.6200e-003	0.4728	0.1345	5.3700e-003	0.1399		1,911.6343	1,911.6343	0.1010		1,914.1591
Worker	0.5919	0.3558	5.1150	0.0164	1.7773	0.0124	1.7896	0.4713	0.0114	0.4827		1,634.4090	1,634.4090	0.0386		1,635.3738
Total	**0.7341**	**5.3522**	**6.5218**	**0.0343**	**2.2445**	**0.0180**	**2.2624**	**0.6058**	**0.0168**	**0.6226**		**3,546.0433**	**3,546.0433**	**0.1396**		**3,549.5329**

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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1421	4.9964	1.4068	0.0179	0.4672	5.6200e-003	0.4728	0.1345	5.3700e-003	0.1399		1,911.6343	1,911.6343	0.1010		1,914.1591
Worker	0.5919	0.3558	5.1150	0.0164	1.7773	0.0124	1.7896	0.4713	0.0114	0.4827		1,634.4090	1,634.4090	0.0386		1,635.3738
Total	**0.7341**	**5.3522**	**6.5218**	**0.0343**	**2.2445**	**0.0180**	**2.2624**	**0.6058**	**0.0168**	**0.6226**		**3,546.0433**	**3,546.0433**	**0.1396**		**3,549.5329**

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	lb/day										lb/day					
Fugitive Dust					6.5569	0.0000	6.5569	3.3682	0.0000	3.3682			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**6.5569**	**0.9409**	**7.4977**	**3.3682**	**0.8656**	**4.2338**		**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7322	24.8408	5.6261	0.0804	1.8569	0.0717	1.9285	0.5089	0.0686	0.5774		8,711.2626	8,711.2626	0.5775		8,725.6991
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0594	0.0371	0.5225	1.6100e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		160.1586	160.1586	4.0400e-003		160.2595
Total	**0.7916**	**24.8779**	**6.1486**	**0.0820**	**2.0245**	**0.0729**	**2.0974**	**0.5533**	**0.0697**	**0.6230**		**8,871.4212**	**8,871.4212**	**0.5815**		**8,885.9586**

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	lb/day										lb/day					
Fugitive Dust					2.9506	0.0000	2.9506	1.5157	0.0000	1.5157			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**2.9506**	**0.9409**	**3.8914**	**1.5157**	**0.8656**	**2.3813**	**0.0000**	**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7322	24.8408	5.6261	0.0804	1.8569	0.0717	1.9285	0.5089	0.0686	0.5774		8,711.2626	8,711.2626	0.5775		8,725.6991
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0594	0.0371	0.5225	1.6100e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		160.1586	160.1586	4.0400e-003		160.2595
Total	**0.7916**	**24.8779**	**6.1486**	**0.0820**	**2.0245**	**0.0729**	**2.0974**	**0.5533**	**0.0697**	**0.6230**		**8,871.4212**	**8,871.4212**	**0.5815**		**8,885.9586**

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	lb/day										lb/day					
Off-Road	0.9475	7.5559	8.8330	0.0137		0.4204	0.4204		0.4037	0.4037		1,274.6048	1,274.6048	0.1981		1,279.5562
Total	**0.9475**	**7.5559**	**8.8330**	**0.0137**		**0.4204**	**0.4204**		**0.4037**	**0.4037**		**1,274.6048**	**1,274.6048**	**0.1981**		**1,279.5562**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1905	6.6089	1.5615	0.0185	0.4672	0.0122	0.4794	0.1345	0.0116	0.1461		1,971.4316	1,971.4316	0.1158		1,974.3270
Worker	0.6296	0.3932	5.5388	0.0170	1.7773	0.0127	1.7900	0.4713	0.0117	0.4830		1,697.6811	1,697.6811	0.0428		1,698.7509
Total	**0.8201**	**7.0021**	**7.1003**	**0.0355**	**2.2445**	**0.0249**	**2.2693**	**0.6058**	**0.0233**	**0.6292**		**3,669.1127**	**3,669.1127**	**0.1586**		**3,673.0779**

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	lb/day										lb/day					
Off-Road	0.9475	7.5559	8.8330	0.0137		0.4204	0.4204		0.4037	0.4037	0.0000	1,274.6048	1,274.6048	0.1981		1,279.5562
Total	**0.9475**	**7.5559**	**8.8330**	**0.0137**		**0.4204**	**0.4204**		**0.4037**	**0.4037**	**0.0000**	**1,274.6048**	**1,274.6048**	**0.1981**		**1,279.5562**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1905	6.6089	1.5615	0.0185	0.4672	0.0122	0.4794	0.1345	0.0116	0.1461		1,971.4316	1,971.4316	0.1158		1,974.3270
Worker	0.6296	0.3932	5.5388	0.0170	1.7773	0.0127	1.7900	0.4713	0.0117	0.4830		1,697.6811	1,697.6811	0.0428		1,698.7509
Total	**0.8201**	**7.0021**	**7.1003**	**0.0355**	**2.2445**	**0.0249**	**2.2693**	**0.6058**	**0.0233**	**0.6292**		**3,669.1127**	**3,669.1127**	**0.1586**		**3,673.0779**

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	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1905	6.6089	1.5615	0.0185	0.4672	0.0122	0.4794	0.1345	0.0116	0.1461		1,971.4316	1,971.4316	0.1158		1,974.3270
Worker	0.6296	0.3932	5.5388	0.0170	1.7773	0.0127	1.7900	0.4713	0.0117	0.4830		1,697.6811	1,697.6811	0.0428		1,698.7509
Total	**0.8201**	**7.0021**	**7.1003**	**0.0355**	**2.2445**	**0.0249**	**2.2693**	**0.6058**	**0.0233**	**0.6292**		**3,669.1127**	**3,669.1127**	**0.1586**		**3,673.0779**

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	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1905	6.6089	1.5615	0.0185	0.4672	0.0122	0.4794	0.1345	0.0116	0.1461		1,971.4316	1,971.4316	0.1158		1,974.3270
Worker	0.6296	0.3932	5.5388	0.0170	1.7773	0.0127	1.7900	0.4713	0.0117	0.4830		1,697.6811	1,697.6811	0.0428		1,698.7509
Total	**0.8201**	**7.0021**	**7.1003**	**0.0355**	**2.2445**	**0.0249**	**2.2693**	**0.6058**	**0.0233**	**0.6292**		**3,669.1127**	**3,669.1127**	**0.1586**		**3,673.0779**

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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1421	4.9964	1.4068	0.0179	0.4672	5.6200e-003	0.4728	0.1345	5.3700e-003	0.1399		1,911.6343	1,911.6343	0.1010		1,914.1591
Worker	0.5919	0.3558	5.1150	0.0164	1.7773	0.0124	1.7896	0.4713	0.0114	0.4827		1,634.4090	1,634.4090	0.0386		1,635.3738
Total	**0.7341**	**5.3522**	**6.5218**	**0.0343**	**2.2445**	**0.0180**	**2.2624**	**0.6058**	**0.0168**	**0.6226**		**3,546.0433**	**3,546.0433**	**0.1396**		**3,549.5329**

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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1421	4.9964	1.4068	0.0179	0.4672	5.6200e-003	0.4728	0.1345	5.3700e-003	0.1399		1,911.6343	1,911.6343	0.1010		1,914.1591
Worker	0.5919	0.3558	5.1150	0.0164	1.7773	0.0124	1.7896	0.4713	0.0114	0.4827		1,634.4090	1,634.4090	0.0386		1,635.3738
Total	**0.7341**	**5.3522**	**6.5218**	**0.0343**	**2.2445**	**0.0180**	**2.2624**	**0.6058**	**0.0168**	**0.6226**		**3,546.0433**	**3,546.0433**	**0.1396**		**3,549.5329**

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	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1391	4.9840	1.3664	0.0178	0.4672	5.5600e-003	0.4728	0.1345	5.3100e-003	0.1398		1,904.7034	1,904.7034	0.0994		1,907.1889
Worker	0.5602	0.3242	4.7780	0.0159	1.7773	0.0122	1.7895	0.4713	0.0112	0.4826		1,580.7922	1,580.7922	0.0354		1,581.6767
Total	**0.6993**	**5.3082**	**6.1444**	**0.0336**	**2.2445**	**0.0178**	**2.2622**	**0.6058**	**0.0166**	**0.6224**		**3,485.4957**	**3,485.4957**	**0.1348**		**3,488.8657**

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	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1391	4.9840	1.3664	0.0178	0.4672	5.5600e-003	0.4728	0.1345	5.3100e-003	0.1398		1,904.7034	1,904.7034	0.0994		1,907.1889
Worker	0.5602	0.3242	4.7780	0.0159	1.7773	0.0122	1.7895	0.4713	0.0112	0.4826		1,580.7922	1,580.7922	0.0354		1,581.6767
Total	**0.6993**	**5.3082**	**6.1444**	**0.0336**	**2.2445**	**0.0178**	**2.2622**	**0.6058**	**0.0166**	**0.6224**		**3,485.4957**	**3,485.4957**	**0.1348**		**3,488.8657**

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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1421	4.9964	1.4068	0.0179	0.4672	5.6200e-003	0.4728	0.1345	5.3700e-003	0.1399		1,911.6343	1,911.6343	0.1010		1,914.1591
Worker	0.5919	0.3558	5.1150	0.0164	1.7773	0.0124	1.7896	0.4713	0.0114	0.4827		1,634.4090	1,634.4090	0.0386		1,635.3738
Total	**0.7341**	**5.3522**	**6.5218**	**0.0343**	**2.2445**	**0.0180**	**2.2624**	**0.6058**	**0.0168**	**0.6226**		**3,546.0433**	**3,546.0433**	**0.1396**		**3,549.5329**

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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1421	4.9964	1.4068	0.0179	0.4672	5.6200e-003	0.4728	0.1345	5.3700e-003	0.1399		1,911.6343	1,911.6343	0.1010		1,914.1591
Worker	0.5919	0.3558	5.1150	0.0164	1.7773	0.0124	1.7896	0.4713	0.0114	0.4827		1,634.4090	1,634.4090	0.0386		1,635.3738
Total	**0.7341**	**5.3522**	**6.5218**	**0.0343**	**2.2445**	**0.0180**	**2.2624**	**0.6058**	**0.0168**	**0.6226**		**3,546.0433**	**3,546.0433**	**0.1396**		**3,549.5329**

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	lb/day										lb/day					
Off-Road	0.8680	7.0152	8.7817	0.0137		0.3613	0.3613		0.3471	0.3471		1,274.6048	1,274.6048	0.1937		1,279.4466
Total	**0.8680**	**7.0152**	**8.7817**	**0.0137**		**0.3613**	**0.3613**		**0.3471**	**0.3471**		**1,274.6048**	**1,274.6048**	**0.1937**		**1,279.4466**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1421	4.9964	1.4068	0.0179	0.4672	5.6200e-003	0.4728	0.1345	5.3700e-003	0.1399		1,911.6343	1,911.6343	0.1010		1,914.1591
Worker	0.5919	0.3558	5.1150	0.0164	1.7773	0.0124	1.7896	0.4713	0.0114	0.4827		1,634.4090	1,634.4090	0.0386		1,635.3738
Total	**0.7341**	**5.3522**	**6.5218**	**0.0343**	**2.2445**	**0.0180**	**2.2624**	**0.6058**	**0.0168**	**0.6226**		**3,546.0433**	**3,546.0433**	**0.1396**		**3,549.5329**

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	lb/day										lb/day					
Off-Road	0.8680	7.0152	8.7817	0.0137		0.3613	0.3613		0.3471	0.3471	0.0000	1,274.6048	1,274.6048	0.1937		1,279.4466
Total	**0.8680**	**7.0152**	**8.7817**	**0.0137**		**0.3613**	**0.3613**		**0.3471**	**0.3471**	**0.0000**	**1,274.6048**	**1,274.6048**	**0.1937**		**1,279.4466**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1421	4.9964	1.4068	0.0179	0.4672	5.6200e-003	0.4728	0.1345	5.3700e-003	0.1399		1,911.6343	1,911.6343	0.1010		1,914.1591
Worker	0.5919	0.3558	5.1150	0.0164	1.7773	0.0124	1.7896	0.4713	0.0114	0.4827		1,634.4090	1,634.4090	0.0386		1,635.3738
Total	**0.7341**	**5.3522**	**6.5218**	**0.0343**	**2.2445**	**0.0180**	**2.2624**	**0.6058**	**0.0168**	**0.6226**		**3,546.0433**	**3,546.0433**	**0.1396**		**3,549.5329**

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	lb/day										lb/day					
Archit. Coating	32.5228					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**32.7144**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1191	0.0716	1.0294	3.3000e-003	0.3577	2.4900e-003	0.3602	0.0949	2.2900e-003	0.0972		328.9377	328.9377	7.7700e-003		329.1318
Total	**0.1191**	**0.0716**	**1.0294**	**3.3000e-003**	**0.3577**	**2.4900e-003**	**0.3602**	**0.0949**	**2.2900e-003**	**0.0972**		**328.9377**	**328.9377**	**7.7700e-003**		**329.1318**

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	lb/day										lb/day					
Archit. Coating	32.5228					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**32.7144**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1191	0.0716	1.0294	3.3000e-003	0.3577	2.4900e-003	0.3602	0.0949	2.2900e-003	0.0972		328.9377	328.9377	7.7700e-003		329.1318
Total	**0.1191**	**0.0716**	**1.0294**	**3.3000e-003**	**0.3577**	**2.4900e-003**	**0.3602**	**0.0949**	**2.2900e-003**	**0.0972**		**328.9377**	**328.9377**	**7.7700e-003**		**329.1318**

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	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.1110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0991**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0529	0.0306	0.4508	1.5000e-003	0.1677	1.1500e-003	0.1688	0.0445	1.0600e-003	0.0455		149.1313	149.1313	3.3400e-003		149.2148
Total	**0.0529**	**0.0306**	**0.4508**	**1.5000e-003**	**0.1677**	**1.1500e-003**	**0.1688**	**0.0445**	**1.0600e-003**	**0.0455**		**149.1313**	**149.1313**	**3.3400e-003**		**149.2148**

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	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.1110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0991**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0529	0.0306	0.4508	1.5000e-003	0.1677	1.1500e-003	0.1688	0.0445	1.0600e-003	0.0455		149.1313	149.1313	3.3400e-003		149.2148
Total	**0.0529**	**0.0306**	**0.4508**	**1.5000e-003**	**0.1677**	**1.1500e-003**	**0.1688**	**0.0445**	**1.0600e-003**	**0.0455**		**149.1313**	**149.1313**	**3.3400e-003**		**149.2148**

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	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0261**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0502	0.0280	0.4190	1.4400e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0400e-003	0.0455		143.2606	143.2606	3.0400e-003		143.3366
Total	**0.0502**	**0.0280**	**0.4190**	**1.4400e-003**	**0.1677**	**1.1300e-003**	**0.1688**	**0.0445**	**1.0400e-003**	**0.0455**		**143.2606**	**143.2606**	**3.0400e-003**		**143.3366**

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	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0261**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0502	0.0280	0.4190	1.4400e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0400e-003	0.0455		143.2606	143.2606	3.0400e-003		143.3366
Total	**0.0502**	**0.0280**	**0.4190**	**1.4400e-003**	**0.1677**	**1.1300e-003**	**0.1688**	**0.0445**	**1.0400e-003**	**0.0455**		**143.2606**	**143.2606**	**3.0400e-003**		**143.3366**

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	lb/day										lb/day					
Off-Road	0.7469	6.1931	8.7124	0.0137		0.2677	0.2677		0.2572	0.2572		1,274.6048	1,274.6048	0.1864		1,279.2639
Total	**0.7469**	**6.1931**	**8.7124**	**0.0137**		**0.2677**	**0.2677**		**0.2572**	**0.2572**		**1,274.6048**	**1,274.6048**	**0.1864**		**1,279.2639**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1356	4.9405	1.3303	0.0177	0.4672	5.4800e-003	0.4727	0.1345	5.2400e-003	0.1397		1,893.8765	1,893.8765	0.0978		1,896.3225
Worker	0.5321	0.2965	4.4411	0.0152	1.7773	0.0120	1.7892	0.4713	0.0110	0.4824		1,518.5619	1,518.5619	0.0323		1,519.3682
Total	**0.6677**	**5.2370**	**5.7714**	**0.0329**	**2.2445**	**0.0175**	**2.2619**	**0.6058**	**0.0163**	**0.6221**		**3,412.4384**	**3,412.4384**	**0.1301**		**3,415.6906**

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	lb/day										lb/day					
Off-Road	0.7469	6.1931	8.7124	0.0137		0.2677	0.2677		0.2572	0.2572	0.0000	1,274.6048	1,274.6048	0.1864		1,279.2639
Total	**0.7469**	**6.1931**	**8.7124**	**0.0137**		**0.2677**	**0.2677**		**0.2572**	**0.2572**	**0.0000**	**1,274.6048**	**1,274.6048**	**0.1864**		**1,279.2639**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1356	4.9405	1.3303	0.0177	0.4672	5.4800e-003	0.4727	0.1345	5.2400e-003	0.1397		1,893.8765	1,893.8765	0.0978		1,896.3225
Worker	0.5321	0.2965	4.4411	0.0152	1.7773	0.0120	1.7892	0.4713	0.0110	0.4824		1,518.5619	1,518.5619	0.0323		1,519.3682
Total	**0.6677**	**5.2370**	**5.7714**	**0.0329**	**2.2445**	**0.0175**	**2.2619**	**0.6058**	**0.0163**	**0.6221**		**3,412.4384**	**3,412.4384**	**0.1301**		**3,415.6906**

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	lb/day										lb/day					
Fugitive Dust					0.6876	0.0000	0.6876	0.1041	0.0000	0.1041			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	**2.0926**	**19.1966**	**19.4184**	**0.0388**	**0.6876**	**0.8528**	**1.5404**	**0.1041**	**0.7920**	**0.8961**		**3,747.5996**	**3,747.5996**	**1.0464**		**3,773.7606**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0145	0.4699	0.1568	2.2800e-003	0.0555	8.7000e-004	0.0564	0.0152	8.3000e-004	0.0161		247.7300	247.7300	0.0158		248.1258
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0502	0.0280	0.4190	1.4400e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0400e-003	0.0455		143.2606	143.2606	3.0400e-003		143.3366
Total	**0.0647**	**0.4979**	**0.5758**	**3.7200e-003**	**0.2232**	**2.0000e-003**	**0.2252**	**0.0597**	**1.8700e-003**	**0.0616**		**390.9906**	**390.9906**	**0.0189**		**391.4624**

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	lb/day										lb/day					
Fugitive Dust					0.3094	0.0000	0.3094	0.0469	0.0000	0.0469			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	**2.0926**	**19.1966**	**19.4184**	**0.0388**	**0.3094**	**0.8528**	**1.1622**	**0.0469**	**0.7920**	**0.8388**	**0.0000**	**3,747.5996**	**3,747.5996**	**1.0464**		**3,773.7606**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0145	0.4699	0.1568	2.2800e-003	0.0555	8.7000e-004	0.0564	0.0152	8.3000e-004	0.0161		247.7300	247.7300	0.0158		248.1258
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0502	0.0280	0.4190	1.4400e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0400e-003	0.0455		143.2606	143.2606	3.0400e-003		143.3366
Total	**0.0647**	**0.4979**	**0.5758**	**3.7200e-003**	**0.2232**	**2.0000e-003**	**0.2252**	**0.0597**	**1.8700e-003**	**0.0616**		**390.9906**	**390.9906**	**0.0189**		**391.4624**

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	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1025					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0177**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0502	0.0280	0.4190	1.4400e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0400e-003	0.0455		143.2606	143.2606	3.0400e-003		143.3366
Total	**0.0502**	**0.0280**	**0.4190**	**1.4400e-003**	**0.1677**	**1.1300e-003**	**0.1688**	**0.0445**	**1.0400e-003**	**0.0455**		**143.2606**	**143.2606**	**3.0400e-003**		**143.3366**

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	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1025					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0177**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0502	0.0280	0.4190	1.4400e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0400e-003	0.0455		143.2606	143.2606	3.0400e-003		143.3366
Total	**0.0502**	**0.0280**	**0.4190**	**1.4400e-003**	**0.1677**	**1.1300e-003**	**0.1688**	**0.0445**	**1.0400e-003**	**0.0455**		**143.2606**	**143.2606**	**3.0400e-003**		**143.3366**

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	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1025					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0177**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0479	0.0258	0.3919	1.3900e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0100e-003	0.0455		138.1878	138.1878	2.7900e-003		138.2575
Total	**0.0479**	**0.0258**	**0.3919**	**1.3900e-003**	**0.1677**	**1.0900e-003**	**0.1688**	**0.0445**	**1.0100e-003**	**0.0455**		**138.1878**	**138.1878**	**2.7900e-003**		**138.2575**

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	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.1025					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0177**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0479	0.0258	0.3919	1.3900e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0100e-003	0.0455		138.1878	138.1878	2.7900e-003		138.2575
Total	**0.0479**	**0.0258**	**0.3919**	**1.3900e-003**	**0.1677**	**1.0900e-003**	**0.1688**	**0.0445**	**1.0100e-003**	**0.0455**		**138.1878**	**138.1878**	**2.7900e-003**		**138.2575**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.6486	12.4715	37.0246	0.1621	15.0841	0.1101	15.1942	4.0349	0.1022	4.1371		16,552.2864	16,552.2864	0.6685		16,568.9985
Unmitigated	2.6486	12.4715	37.0246	0.1621	15.0841	0.1101	15.1942	4.0349	0.1022	4.1371		16,552.2864	16,552.2864	0.6685		16,568.9985

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hospital	1,830.24	1,151.28	1016.80	6,269,008	6,269,008
Parking Lot	0.00	0.00	0.00		
Total	1,830.24	1,151.28	1,016.80	6,269,008	6,269,008

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.4993	4.5394	3.8131	0.0272		0.3450	0.3450		0.3450	0.3450		5,447.3142	5,447.3142	0.1044	0.0999	5,479.6849
NaturalGas Unmitigated	0.5539	5.0352	4.2296	0.0302		0.3827	0.3827		0.3827	0.3827		6,042.2085	6,042.2085	0.1158	0.1108	6,078.1144

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hospital	51358.8	0.5539	5.0352	4.2296	0.0302		0.3827	0.3827		0.3827	0.3827		6,042.2085	6,042.2085	0.1158	0.1108	6,078.1144
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.5539**	**5.0352**	**4.2296**	**0.0302**		**0.3827**	**0.3827**		**0.3827**	**0.3827**		**6,042.2085**	**6,042.2085**	**0.1158**	**0.1108**	**6,078.1144**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hospital	46.3022	0.4993	4.5394	3.8131	0.0272		0.3450	0.3450		0.3450	0.3450		5,447.3142	5,447.3142	0.1044	0.0999	5,479.6849
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.4993**	**4.5394**	**3.8131**	**0.0272**		**0.3450**	**0.3450**		**0.3450**	**0.3450**		**5,447.3142**	**5,447.3142**	**0.1044**	**0.0999**	**5,479.6849**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.7197	8.0000e-005	8.7200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0187	0.0187	5.0000e-005		0.0200
Unmitigated	5.7197	8.0000e-005	8.7200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0187	0.0187	5.0000e-005		0.0200

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7485					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.9704					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-004	8.0000e-005	8.7200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0187	0.0187	5.0000e-005		0.0200
Total	**5.7197**	**8.0000e-005**	**8.7200e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0187**	**0.0187**	**5.0000e-005**		**0.0200**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7485					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.9704					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-004	8.0000e-005	8.7200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0187	0.0187	5.0000e-005		0.0200
Total	**5.7197**	**8.0000e-005**	**8.7200e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0187**	**0.0187**	**5.0000e-005**		**0.0200**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

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	82.00	Bed	5.00	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/MWhr)	434.83	**CH4 Intensity (lb/MWhr)**	0.018	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity factors adjusted to relfect 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

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 Achitectural 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 -

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

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	124,426.00	145,000.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	373,277.00	435,000.00
tblAreaCoating	Area_Nonresidential_Exterior	124426	145000
tblAreaCoating	Area_Nonresidential_Interior	373277	435000
tblConstructionPhase	NumDays	20.00	84.00
tblConstructionPhase	NumDays	230.00	129.00
tblConstructionPhase	NumDays	230.00	148.00
tblConstructionPhase	NumDays	230.00	82.00
tblConstructionPhase	NumDays	230.00	292.00
tblConstructionPhase	NumDays	230.00	164.00
tblConstructionPhase	NumDays	230.00	582.00
tblConstructionPhase	NumDays	230.00	148.00
tblConstructionPhase	NumDays	20.00	136.00
tblConstructionPhase	NumDays	20.00	94.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	20.00	85.00
tblConstructionPhase	NumDays	20.00	92.00
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	10.00	15.00
tblGrading	MaterialExported	0.00	1,200.00
tblLandUse	LandUseSquareFeet	58,692.12	248,225.00
tblLandUse	LotAcreage	1.35	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.018
tblProjectCharacteristics	CO2IntensityFactor	702.44	434.83
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	HaulingTripNumber	150.00	3,188.00
tblTripsAndVMT	VendorTripNumber	66.00	73.00
tblTripsAndVMT	VendorTripNumber	66.00	73.00
tblTripsAndVMT	VendorTripNumber	66.00	73.00
tblTripsAndVMT	VendorTripNumber	66.00	73.00
tblTripsAndVMT	VendorTripNumber	66.00	73.00
tblTripsAndVMT	VendorTripNumber	66.00	73.00
tblTripsAndVMT	VendorTripNumber	66.00	73.00
tblTripsAndVMT	WorkerTripNumber	146.00	159.00
tblTripsAndVMT	WorkerTripNumber	146.00	159.00
tblTripsAndVMT	WorkerTripNumber	29.00	32.00
tblTripsAndVMT	WorkerTripNumber	146.00	159.00
tblTripsAndVMT	WorkerTripNumber	146.00	159.00
tblTripsAndVMT	WorkerTripNumber	146.00	159.00
tblTripsAndVMT	WorkerTripNumber	146.00	159.00
tblTripsAndVMT	WorkerTripNumber	146.00	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

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	2.0722	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	**2.0722**	**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**

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	2.0722	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	**2.0722**	**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	N20	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	**10-14-2021**	**1-13-2022**	0.9061	0.9061
2	**1-14-2022**	**4-13-2022**	1.3885	1.3885
3	**4-14-2022**	**7-13-2022**	2.3527	2.3527
4	**7-14-2022**	**10-13-2022**	2.1899	2.1899
5	**10-14-2022**	**1-13-2023**	1.8983	1.8983

6	**1-14-2023**	**4-13-2023**	2.0141	2.0141
7	**4-14-2023**	**7-13-2023**	3.1954	3.1954
8	**7-14-2023**	**10-13-2023**	1.9419	1.9419
9	**10-14-2023**	**1-13-2024**	0.7213	0.7213
10	**1-14-2024**	**4-13-2024**	0.6818	0.6818
11	**4-14-2024**	**7-13-2024**	0.6800	0.6800
12	**7-14-2024**	**10-13-2024**	0.2400	0.2400
13	**10-14-2024**	**1-13-2025**	0.3473	0.3473
14	**1-14-2025**	**4-13-2025**	0.0589	0.0589
15	**4-14-2025**	**7-13-2025**	0.5076	0.5076
16	**7-14-2025**	**10-13-2025**	1.0300	1.0300
17	**10-14-2025**	**1-13-2026**	0.5722	0.5722
18	**1-14-2026**	**4-13-2026**	0.3111	0.3111
19	**4-14-2026**	**7-13-2026**	0.0276	0.0276
		Highest	3.1954	3.1954

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	1.0438	1.0000e-005	1.0900e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.1200e-003	2.1200e-003	1.0000e-005	0.0000	2.2600e-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	0.3962	2.0756	5.6192	0.0251	2.3815	0.0177	2.3992	0.6380	0.0164	0.6545	0.0000	2,323.1729	2,323.1729	0.0968	0.0000	2,325.5928
Waste						0.0000	0.0000		0.0000	0.0000	48.6042	0.0000	48.6042	2.8724	0.0000	120.4147
Water						0.0000	0.0000		0.0000	0.0000	2.3365	21.9881	24.3245	0.2409	5.8700e-003	32.0957
Total	**1.5411**	**2.9946**	**6.3922**	**0.0306**	**2.3815**	**0.0876**	**2.4691**	**0.6380**	**0.0863**	**0.7243**	**50.9407**	**4,258.6545**	**4,309.5951**	**3.2671**	**0.0326**	**4,400.9897**

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	1.0438	1.0000e-005	1.0900e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.1200e-003	2.1200e-003	1.0000e-005	0.0000	2.2600e-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	0.3962	2.0756	5.6192	0.0251	2.3815	0.0177	2.3992	0.6380	0.0164	0.6545	0.0000	2,323.1729	2,323.1729	0.0968	0.0000	2,325.5928
Waste						0.0000	0.0000		0.0000	0.0000	48.6042	0.0000	48.6042	2.8724	0.0000	120.4147
Water						0.0000	0.0000		0.0000	0.0000	1.8692	18.2052	20.0744	0.1927	4.7000e-003	26.2936
Total	**1.5311**	**2.9041**	**6.3162**	**0.0300**	**2.3815**	**0.0807**	**2.4622**	**0.6380**	**0.0794**	**0.7174**	**50.4734**	**4,087.8012**	**4,138.2746**	**3.2142**	**0.0290**	**4,227.2730**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.65**	**3.02**	**1.19**	**1.77**	**0.00**	**7.86**	**0.28**	**0.00**	**7.97**	**0.95**	**0.92**	**4.01**	**3.98**	**1.62**	**11.07**	**3.95**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building 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: 435,000; Non-Residential Outdoor: 145,000; 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

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

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

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

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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	1.3660					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	**1.3740**	**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**

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	1.3660					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	**1.3740**	**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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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

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	0.3962	2.0756	5.6192	0.0251	2.3815	0.0177	2.3992	0.6380	0.0164	0.6545	0.0000	2,323.1729	2,323.1729	0.0968	0.0000	2,325.5928
Unmitigated	0.3962	2.0756	5.6192	0.0251	2.3815	0.0177	2.3992	0.6380	0.0164	0.6545	0.0000	2,323.1729	2,323.1729	0.0968	0.0000	2,325.5928

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hospital	1,830.24	1,151.28	1016.80	6,269,008	6,269,008
Parking Lot	0.00	0.00	0.00		
Total	1,830.24	1,151.28	1,016.80	6,269,008	6,269,008

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	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

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**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0438	1.0000e-005	1.0900e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.1200e-003	2.1200e-003	1.0000e-005	0.0000	2.2600e-003
Unmitigated	1.0438	1.0000e-005	1.0900e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.1200e-003	2.1200e-003	1.0000e-005	0.0000	2.2600e-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	0.1366					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	1.0000e-004	1.0000e-005	1.0900e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.1200e-003	2.1200e-003	1.0000e-005	0.0000	2.2600e-003
Total	**1.0438**	**1.0000e-005**	**1.0900e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.1200e-003**	**2.1200e-003**	**1.0000e-005**	**0.0000**	**2.2600e-003**

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	0.1366					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	1.0000e-004	1.0000e-005	1.0900e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.1200e-003	2.1200e-003	1.0000e-005	0.0000	2.2600e-003
Total	**1.0438**	**1.0000e-005**	**1.0900e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.1200e-003**	**2.1200e-003**	**1.0000e-005**	**0.0000**	**2.2600e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	20.0744	0.1927	4.7000e-003	26.2936
Unmitigated	24.3245	0.2409	5.8700e-003	32.0957

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hospital	7.36472 / 1.4028	24.3245	0.2409	5.8700e-003	32.0957
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**24.3245**	**0.2409**	**5.8700e-003**	**32.0957**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hospital	5.89178 / 1.4028	20.0744	0.1927	4.7000e-003	26.2936
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**20.0744**	**0.1927**	**4.7000e-003**	**26.2936**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	48.6042	2.8724	0.0000	120.4147
Unmitigated	48.6042	2.8724	0.0000	120.4147

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hospital	239.44	48.6042	2.8724	0.0000	120.4147
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**48.6042**	**2.8724**	**0.0000**	**120.4147**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hospital	239.44	48.6042	2.8724	0.0000	120.4147
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**48.6042**	**2.8724**	**0.0000**	**120.4147**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

ATTACHMENT 2

AERSCREEN Construction Health Risk Calculations

Construction Health Risk Calculations

Annual PM Exhaust Generation

Annual Tons/Year	Pounds/year	lbs/day	lbs/hr	g/day	sec/day	g/sec
0.24348	486.96	1.33E+00	5.56E-02	605	86,400	7.00E-03

Max 1-hour concentration	9.94E-02	µg/m^3
Annualized average concentration (0.08)	7.96E-03	µg/m^3

Onsite Maximum Exposure	**3rd Trimester**	**0<2**	**2<9**	**2<16**	**16<30**	**16-70**
Cair	7.96E-03	7.96E-03	7.96E-03	7.96E-03	7.96E-03	7.96E-03
DBR	361	1090	861	745	335	290
A	1	1	1	1	1	1
EF	0.96	0.96	0.96	0.96	0.96	0.96
Dose-air	2.76E-06	8.32E-06	6.58E-06	5.69E-06	2.56E-06	2.21E-06
CPF	1.10	1.10	1.10	1.10	1.10	1.10
ASF	10	10	3	3	1	1
ED	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH	0.85	0.85	0.72	0.72	0.73	0.73
Risk in 1 mill	**0.09**	**2.22**	**1.56**	**2.70**	**0.41**	**1.37**
	5.00	5.00	5.00	5.00	5.00	5.00
Chronic Exposure	**0.0016**	**0.0016**	**0.0016**	**0.0016**	**0.0016**	**0.0016**

0-9	3.88	9.25
0-30	5.43	30.25
0-70	6.39	70.25

Annual Construction Emissions (tons)

Year	Phase	PM10 Exhaust
2021	Building A Remodel	0.0318
	Building C Demo	0.0349
	2021 Total	0.0667
2022	Building C Demo	0.0304
	CUP Site Clearing	0.00558
	New Tower Site Prep	0.0121
	CUP Construction	0.0813
	New Tower Grading	0.0141
	Building I Renovation	0.0345
	New Tower Construction	0.0655
	2022 Total	**0.24348**
2023	CUP Construction	0.0318
	New Tower Construction	0.091
	Building A Canopy	0.0518
	Building A Renovations	0.0267
	New Tower Architectural Coatings	0.00297
	2023 Total	0.20427
2024	New Tower Construction	0.0491
	South Parking Lot	0.0148
	2024 Total	0.0639
2025	South Parking Lot	0.0046
	Building A Construction Post Occupance	0.011
	Buildings B-H Demolition	0.058
	East Parking Lot	0.00272
	2025 Total	0.07632
2026	East Parking Lot	0.0165
	2026 Total	0.0165

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TITLE: Inland Valley Medical Center

********** VOLUME PARAMETERS **********

SOURCE EMISSION RATE: 0.700E-02 g/s 0.556E-01 lb/hr
VOLUME HEIGHT: 5.00 meters 16.40 feet
INITIAL LATERAL DIMENSION: 230.00 meters 754.59 feet
INITIAL VERTICAL DIMENSION: 300.00 meters 984.25 feet
RURAL OR URBAN: URBAN
POPULATION: 20000

FLAGPOLE RECEPTOR HEIGHT: 1.50 meters 4.92 feet

INITIAL PROBE DISTANCE = 5000. meters 16404. feet

********** BUILDING DOWNWASH PARAMETERS **********

BUILDING DOWNWASH NOT USED FOR NON-POINT SOURCES

********** PROBE ANALYSIS **********
25 meter receptor spacing: 496. meters - 5000. meters

Zo SECTOR	ROUGHNESS LENGTH	1-HR CONC (ug/m3)	DIST (m)	TEMPORAL PERIOD
1*	1.000	0.9944E-01	495.5	WIN

* = worst case flow sector

********** MAKEMET METEOROLOGY PARAMETERS **********

MIN/MAX TEMPERATURE: 250.0 / 310.0 (K)

MINIMUM WIND SPEED: 0.5 m/s

ANEMOMETER HEIGHT: 10.000 meters

SURFACE CHARACTERISTICS INPUT: AERMET SEASONAL TABLES

DOMINANT SURFACE PROFILE: Urban
DOMINANT CLIMATE TYPE: Average Moisture
DOMINANT SEASON: Winter

ALBEDO: 0.35
BOWEN RATIO: 1.50
ROUGHNESS LENGTH: 1.000 (meters)

METEOROLOGY CONDITIONS USED TO PREDICT OVERALL MAXIMUM IMPACT

YR	MO	DY	JDY	HR
10	01	16	16	01

H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS
-0.41	0.043	-9.000	0.020	-999.	21.	19.3	1.000	1.50	0.35	0.50

HT	REF TA	HT
10.0	310.0	2.0

METEOROLOGY CONDITIONS USED TO PREDICT AMBIENT BOUNDARY IMPACT

YR	MO	DY	JDY	HR
10	01	16	16	01

H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS
-0.41	0.043	-9.000	0.020	-999.	21.	19.3	1.000	1.50	0.35	0.50

HT	REF TA	HT
10.0	310.0	2.0

********** AERSCREEN AUTOMATED DISTANCES **********
OVERALL MAXIMUM CONCENTRATIONS BY DISTANCE

MAXIMUM DIST (m)	MAXIMUM 1-HR CONC (ug/m3)	MAXIMUM DIST (m)	MAXIMUM 1-HR CONC (ug/m3)
495.50	0.9944E-01	2750.00	0.5164E-01
500.00	0.9901E-01	2775.00	0.5140E-01
525.00	0.9675E-01	2800.00	0.5117E-01

550.00	0.9466E-01	2825.00	0.5094E-01
575.00	0.9273E-01	2850.00	0.5070E-01
600.00	0.9094E-01	2875.00	0.5048E-01
625.00	0.8928E-01	2900.00	0.5025E-01
650.00	0.8772E-01	2925.00	0.5002E-01
675.00	0.8626E-01	2950.00	0.4980E-01
700.00	0.8488E-01	2975.00	0.4958E-01
725.00	0.8358E-01	3000.00	0.4936E-01
750.00	0.8235E-01	3025.00	0.4915E-01
775.00	0.8118E-01	3050.00	0.4893E-01
800.00	0.8014E-01	3075.00	0.4872E-01
825.00	0.7958E-01	3100.00	0.4851E-01
850.00	0.7903E-01	3125.00	0.4830E-01
875.00	0.7849E-01	3150.00	0.4809E-01
900.00	0.7795E-01	3175.00	0.4788E-01
925.00	0.7742E-01	3200.00	0.4768E-01
950.00	0.7690E-01	3225.00	0.4748E-01
975.00	0.7639E-01	3250.00	0.4728E-01
1000.00	0.7589E-01	3275.00	0.4708E-01
1025.00	0.7539E-01	3300.00	0.4688E-01
1050.00	0.7490E-01	3325.00	0.4669E-01
1075.00	0.7441E-01	3350.00	0.4649E-01
1100.00	0.7393E-01	3375.00	0.4630E-01
1125.00	0.7346E-01	3400.00	0.4611E-01
1150.00	0.7299E-01	3425.00	0.4592E-01
1175.00	0.7253E-01	3450.00	0.4573E-01
1200.00	0.7208E-01	3475.00	0.4555E-01
1225.00	0.7163E-01	3500.00	0.4536E-01
1250.00	0.7118E-01	3525.00	0.4518E-01
1275.00	0.7074E-01	3550.00	0.4500E-01
1300.00	0.7031E-01	3575.00	0.4482E-01
1325.00	0.6988E-01	3600.00	0.4464E-01
1350.00	0.6946E-01	3625.00	0.4446E-01
1375.00	0.6904E-01	3650.00	0.4428E-01
1400.00	0.6862E-01	3675.00	0.4411E-01
1425.00	0.6821E-01	3700.00	0.4394E-01
1450.00	0.6781E-01	3725.00	0.4377E-01
1475.00	0.6740E-01	3750.00	0.4359E-01
1500.00	0.6701E-01	3775.00	0.4343E-01
1525.00	0.6662E-01	3800.00	0.4326E-01
1550.00	0.6623E-01	3825.00	0.4309E-01
1575.00	0.6584E-01	3850.00	0.4293E-01
1600.00	0.6546E-01	3875.00	0.4276E-01
1625.00	0.6509E-01	3900.00	0.4260E-01
1650.00	0.6472E-01	3925.00	0.4244E-01
1675.00	0.6435E-01	3950.00	0.4228E-01
1700.00	0.6399E-01	3975.00	0.4212E-01
1725.00	0.6363E-01	4000.00	0.4196E-01
1750.00	0.6327E-01	4025.00	0.4181E-01
1775.00	0.6292E-01	4050.00	0.4165E-01
1800.00	0.6257E-01	4075.00	0.4150E-01
1825.00	0.6223E-01	4100.00	0.4134E-01
1850.00	0.6189E-01	4125.00	0.4119E-01
1875.00	0.6155E-01	4150.00	0.4104E-01
1900.00	0.6122E-01	4175.00	0.4089E-01

1925.00	0.6088E-01	4200.00	0.4074E-01
1950.00	0.6056E-01	4225.00	0.4060E-01
1975.00	0.6023E-01	4250.00	0.4045E-01
2000.00	0.5991E-01	4275.00	0.4030E-01
2025.00	0.5960E-01	4300.00	0.4016E-01
2050.00	0.5928E-01	4325.00	0.4002E-01
2075.00	0.5897E-01	4350.00	0.3987E-01
2100.00	0.5866E-01	4375.00	0.3973E-01
2125.00	0.5836E-01	4400.00	0.3959E-01
2150.00	0.5806E-01	4425.00	0.3945E-01
2175.00	0.5776E-01	4450.00	0.3932E-01
2200.00	0.5746E-01	4475.00	0.3918E-01
2225.00	0.5717E-01	4500.00	0.3904E-01
2250.00	0.5688E-01	4525.00	0.3891E-01
2275.00	0.5660E-01	4550.00	0.3877E-01
2300.00	0.5631E-01	4575.00	0.3864E-01
2325.00	0.5603E-01	4600.00	0.3851E-01
2350.00	0.5575E-01	4625.00	0.3837E-01
2375.00	0.5548E-01	4650.00	0.3824E-01
2400.00	0.5520E-01	4675.00	0.3811E-01
2425.00	0.5493E-01	4700.00	0.3799E-01
2450.00	0.5467E-01	4725.00	0.3786E-01
2475.00	0.5440E-01	4750.00	0.3773E-01
2500.00	0.5414E-01	4775.00	0.3760E-01
2525.00	0.5388E-01	4800.00	0.3748E-01
2550.00	0.5362E-01	4825.00	0.3735E-01
2575.00	0.5336E-01	4850.00	0.3723E-01
2600.00	0.5311E-01	4875.00	0.3711E-01
2625.00	0.5286E-01	4900.00	0.3698E-01
2650.00	0.5261E-01	4925.00	0.3686E-01
2675.00	0.5237E-01	4950.00	0.3674E-01
2700.00	0.5212E-01	4975.00	0.3662E-01
2725.00	0.5188E-01	5000.00	0.3650E-01

********** AERSCREEN MAXIMUM IMPACT SUMMARY **********

CALCULATION PROCEDURE	MAXIMUM 1-HOUR CONC (ug/m3)	SCALED 3-HOUR CONC (ug/m3)	SCALED 8-HOUR CONC (ug/m3)	SCALED 24-HOUR CONC (ug/m3)	SCALED ANNUAL CONC (ug/m3)
FLAT TERRAIN	9.94E-02	9.94E-02	8.95E-02	5.97E-02	9.94E-03
DISTANCE FROM SOURCE	495.50 meters				
IMPACT AT THE AMBIENT BOUNDARY	9.94E-02	9.94E-02	8.95E-02	5.97E-02	9.94E-03
DISTANCE FROM SOURCE	495.50 meters				