APPENDIX B

Air Quality and Greenhouse Gas Report

For the

Hazelden Betty Ford Center
Planned Development Project

March, 2020

Prepared for

Hazelden Betty Ford Foundation
3900 Bob Hope Drive
Rancho Mirage, CA 92270

Prepared by

Terra Nova Planning & Research, Inc.
42635 Melanie Place, Suite 101
Palm Desert, CA 92211

AIR QUALITY AND GREENHOUSE GAS REPORT

For the

Hazelden Betty Ford Center

Planned Development Project

Rancho Mirage, CA

Prepared for:

Hazelden Betty Ford Foundation

39000 Bob Hope Drive
Rancho Mirage, CA 92270
Phone: (651) 213-4232

Prepared by:

Terra Nova Planning & Research, Inc.®
42635 Melanie Place, Suite #101
Palm Desert, CA 92211

March 2020

AIR QUALITY AND GREENHOUSE GAS REPORT

Hazelden Betty Ford Center PDP

TABLE OF CONTENTS

Page No.

SECTION I. INTRODUCTION & PROJECT DESCRIPTION 1

SECTION II. EXISTING CONDITIONS 5

A. Climatic Conditions and Air Quality 5
B. Air Quality Management and Regulation 6
C. Air Quality Standards 8
D. Regional Air Quality Monitoring 10
E. Regional Pollutants of Concern 14
F. Climate Change and Greenhouse Gasses 15

SECTION III. PROPOSED PROJECT IMPACTS 20

A. Air Quality Emissions 20
B. Greenhouse Gas Emissions 24
C. Cumulative Impacts 26
D. Conclusions 28

SECTION IV. PROJECT ALTERNATIVES 29

A. Alternative A: "Less Intense" Alternative 29
B. Alternative B: "More Intense" Alternative 33
C. Alternative C: "No Project" Alternative 37

SECTION V. AIR QUALITY MITIGATION MEASURES 40

LIST OF TABLES

Table 1 Hazelden Betty Ford Center Preliminary Development Plan Development Data (Proposed Project) 4
Table 2 SCAQMD Air Quality Significance Thresholds 7
Table 3 State and National Ambient Air Quality Standards 10
Table 4 PM_{10} Monitoring Data for the Coachella Valley 12
Table 5 Ozone Monitoring Data for the Coachella Valley 13
Table 6 Salton Sea Air Basin Designation Status 13
Table 7 Construction Emissions Summary (lbs./day) 21
Table 8 Operational Emissions Summary (lbs./day) 22
Table 9 Localized Significance Thresholds Proposed Project (lbs per day) 23

Table 10 Greenhouse Gas Emissions Summary 26
Table 11 Construction Emissions Summary - Alternative A (lbs./day) 29
Table 12 Operational Emissions Summary - Alternative A (lbs./day) 30
Table 13 Localized Significance Thresholds - Alternative A (lbs./day).....31
Table 14 Alternative A Greenhouse Gas Emissions Summary.....32
Table 15 Construction Emissions Summary - Alternative B (lbs./day) 34
Table 16 Operational Emissions Summary - Alternative B (lbs./day) 35
Table 17 Localized Significance Thresholds - Alternative B (lbs./day) 35
Table 18 Alternative B Greenhouse Gas Emissions Summary 37

LIST OF EXHIBITS

Exhibit 1 Vicinity Map 2
Exhibit 2 Proposed Project Master Site Plan.....3

LIST OF APPENDICES

A. "Hazelden Betty Ford Center Air Emission Outputs," CalEEMod, Version 2016.3.2 prepared by Terra Nova Planning & Research, Inc., March 2020.

SECTION I. INTRODUCTION & PROJECT DESCRIPTION

The purpose of this report is to assess the potential air quality impacts associated with the construction and operation of the proposed Hazelden Betty Ford Center Planned Development Project ("Project"). This report describes the current air quality regulations and provides historical air quality monitoring concentrations and minimization measures to further reduce projected emissions of criteria pollutants and greenhouse gases.

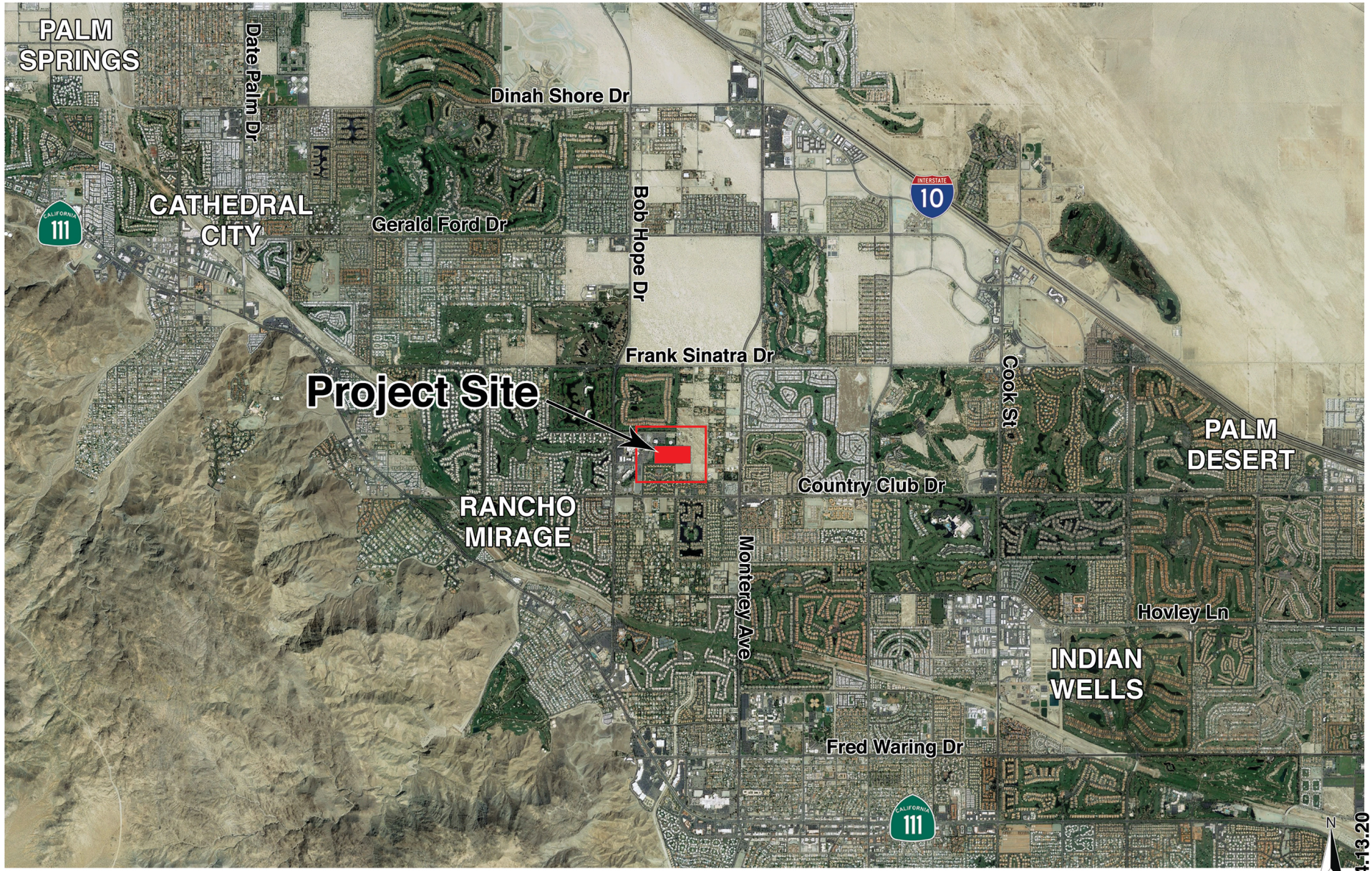
The Hazelden Betty Ford Center (HBFC) is owned and operated by the Hazelden Betty Ford Foundation, a leading drug and alcohol treatment provider. The HBFC was established in 1982 on the easterly 26.22± acres of the Eisenhower Medical Center (EMC) Campus in Rancho Mirage. The HBFC provides a wide range of treatment protocols, including bio-psycho-social assessments and evaluation, medical detox, residential and outpatient substance abuse treatment, nearby sober living homes, education and support for families and children, and post-rehab continuing care groups. The facility provides residential drug and alcohol treatment, residential rehabilitation programs, and out-patient programs in a supportive and affirming campus environment.

The proposed changes to the HBFC campus include the removal of four residential buildings totaling 51,694± square feet and currently providing a total of 80 beds. These four buildings will be replaced by two 2-story residential buildings, each providing 46 beds for a total of 92 beds. Each will have an overall height of 30± feet. Each level of the new residential buildings will also include a kitchen, community room, office and ancillary space. Each new residential building will encompass 30,935± square feet for a total of 61,870± square feet.

The two new residential buildings will be located on the west end of the HBFC campus, with the southerly residential building to be located approximately 260 feet north of the closest residence within the Wilshire Palms condominium development to the south. The northerly residential building will be located approximately 870 feet south of the closest residence in the Rancho Mirage Country Club subdivision to the north

The Project also includes the construction of a new one-story, 22,748± square foot day-treatment building to be located on a currently vacant and undeveloped portion of the campus immediately west of Vista Del Sol. This building will be located approximately 100 feet west of the east HBFC property line. This new building will house 44 day-treatment beds, associated support space, and 6,400 square feet of administrative space including a computer lab and lecture hall.

The Project includes the development of a new primary access onto the HBFC campus from the adjoining Vista Del Sol. Bounding the subject property on the east, this roadway extends south to a signalized intersection at Country Club Drive, and north to a stop-controlled intersection at Frank Sinatra Drive. A new access drive of approximately 24-30 feet wide is planned, which will proceed west into the campus and connect to the existing on-site circulation network.



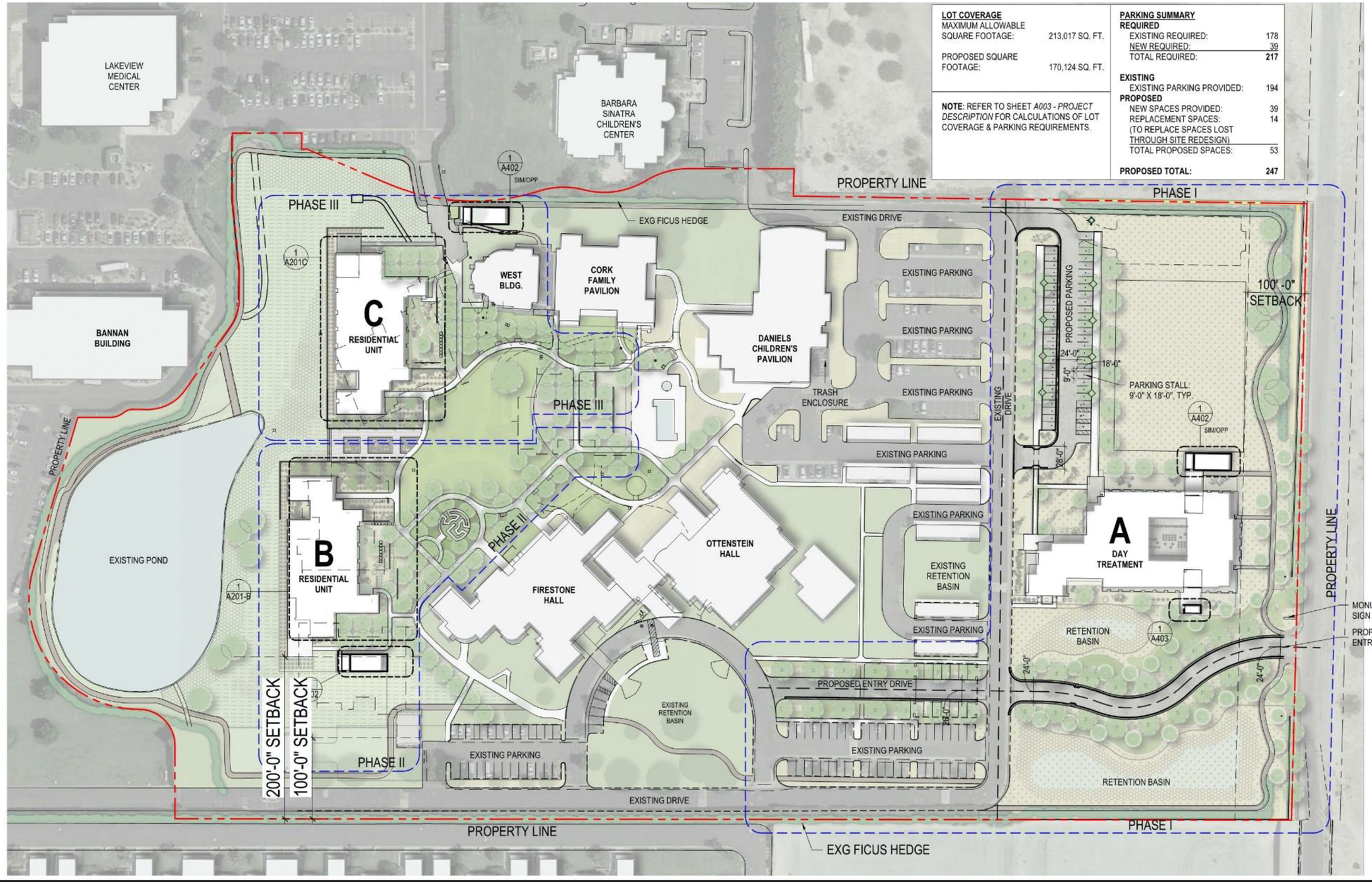
Source: Google Earth, 2018

TERRA NOVA®
PLANNING & RESEARCH, INC.

Hazelden Betty Ford Center PDP
Vicinity Map
Rancho Mirage, California

Hazelden Betty Ford Foundation

Exhibit
1



LOT COVERAGE

MAXIMUM ALLOWABLE SQUARE FOOTAGE:	213,017 SQ. FT.
PROPOSED SQUARE FOOTAGE:	170,124 SQ. FT.

NOTE: REFER TO SHEET *A003 - PROJECT DESCRIPTION* FOR CALCULATIONS OF LOT COVERAGE & PARKING REQUIREMENTS.

PARKING SUMMARY

REQUIRED	
EXISTING REQUIRED:	178
NEW REQUIRED:	39
TOTAL REQUIRED:	**217**
EXISTING	
EXISTING PARKING PROVIDED:	194
PROPOSED	
NEW SPACES PROVIDED:	39
REPLACEMENT SPACES: (TO REPLACE SPACES LOST THROUGH SITE REDESIGN)	14
TOTAL PROPOSED SPACES:	53
PROPOSED TOTAL:	**247**

Source: HGA Architects, 3.16.20

04.13.20

TERRA NOVA®
PLANNING & RESEARCH, INC.

Hazelden Betty Ford Center PDP
Proposed Project Master Site Plan
Rancho Mirage, California

Hazelden Betty Ford Foundation

Exhibit
2

Table 1
Hazelden Betty Ford Center
Preliminary Development Plan Development Data (Proposed Project)

Building Name	Existing No. of Beds	Proposed No. of Beds	Sq. Ft. Existing	Current Proposed Sq. Ft.	(+/-)	Functional Use	Parking Rate	Existing Prkg. Provided	New Prkg. Spaces Rqrd.	Notes
Fisher Hall	20		12,818	0	(12,818)	Special Treatment	0.2 / Bed	4	(4)	Existing Building to be Demolished
Pocklington Hall	20		12,894	0	(12,894)	Special Treatment	0.2 / Bed	4	(4)	Existing Building to be Demolished
McCallum Hall	20		12,988	0	(12,988)	Special Treatment	0.2 / Bed	4	(4)	Existing Building to be Demolished
North Hall	20		12,994	0	(12,994)	Special Treatment	0.2 / Bed	4	(4)	Existing Building to be Demolished
Cork Family Pavilion	-		11,968	11,968	-	Accessory Use	N.A.	-	-	
Firestone Hall	-		17,662	17,662	-	General Office	4.0 / 1000 SF	71	0	
Residential Bldg. #1	**-**	**46**	**-**	**30,935**	**30,935**	**Special Treatment**	**0.2 / Bed**		**10**	**New Bldg. to Replace Existing Bldgs.**
Residential Bldg. #2	**-**	**46**	**-**	**30,935**	**30,935**	**Special Treatment**	**0.2 / Bed**		**10**	**New Bldg. to Replace Existing Bldgs.**
Daniels Building	-						4.0 / 1000 SF			
Office Spaces			25,606	25,606-	-	General Office	4.0 / 1000 SF	103	0	
Conference Rooms			10,975	10,975-	-	Accessory Use	N.A.			
Ottenstein Hall	20	20	14,700	14,700	-	Special Treatment	0.2 / Bed	4	0	
West Building			4,595	4,595		Accessory Use	N.A.			
Day Treatment Bldg.										**New Building**
Admin. Space				**5,975**	**5,975**	**General Office**	**4.0 / 1000 SF**		**26**	
Functions		**44**		**17,103**	**17,103**	**Special Treatment**	**0.2 / Bed**		**9**	
Totals	**100**	**156**	**137,200**	**170,454**	**33,676**			**194**	**39**	Project Needs to Provide 39 Parking Spaces + Spaces Removed
									14	Number of Existing Parking Spaces Lost through Site Redesign
									53	Total New Parking Spaces to Provided
									247	**Total Number of Parking Spaces Provided**

SECTION II. EXISTING CONDITIONS

Introduction

The Project site is located within the Salton Sea Air Basin (SSAB) and is within the jurisdiction of the South Coast Air Quality Management District (SCAQMD). Air quality in the Salton Sea Air Basin has been impacted by emissions associated with increased development, population growth, and vehicle emissions. Although air pollution is emitted locally from various sources, some of the degradation of air quality within the Salton Sea Air Basin can be attributed to sources tributary to but located outside of the basin. In the project area, air quality is regulated by the SCAQMD, as well as federal and state policy.

A. Climatic Conditions and Air Quality

The proposed HBFC Project is located within the Coachella Valley portion of the SSAB immediately east of the San Jacinto Mountains. Meteorological conditions are largely attributable to the low desert geographic setting and the mountains surrounding the region that isolate the Coachella Valley from moderating coastal influences and create a hot and dry low-lying desert condition. As the desert heats up a large area of thermal low pressure develops, which draws dense, cooler coastal air through the narrow San Gorgonio Pass and into the valley, generating strong winds that cross the most active fluvial (water-related) erosion zones in the valley. These strong winds sweep up, suspend and transport large quantities of sand and dust, reducing visibility, damaging property, and constituting a significant health threat. The region is also subject to seasonal northeasterly Santa Ana winds that are associated with high pressure parked over Nevada and the four corners region.

The Coachella Valley portion of the SSAB is typical of a low desert climate, with summer temperatures that frequently exceed 110°F and drop into the 20's during winter. The valley floor historically receives an average of four to six inches of rainfall per year with greater precipitation at higher elevations.

Air inversions, where a layer of stagnant air is trapped near the ground and is loaded with pollutants from motor vehicles and other sources, occasionally occur in the Coachella Valley due to local geological and climatic conditions. Inversions create conditions of haziness caused by suspended water vapor, dust, and a variety of chemical aerosols. Due to local climactic conditions, inversion layers generally form 6,000 to 8,000 feet above the desert floor.

Regulating agencies, including SCAQMD, have developed standards and regulations to reduce emissions and enhance air quality throughout the SSAB. These are further described below.

B. Air Quality Management and Regulation

Federal and state agencies have adopted air quality standards for a variety of pollutants. In 1971, the Environmental Protection Agency (EPA) established the National Ambient Air Quality Standards (NAAQS) for managing criteria pollutants. The California Clean Air Act (CCAA) became effective on January 1, 1989 and mandated health-based air quality standards at the state level. The California Air Resources Board (CARB) is responsible for enforcing state standards, which are generally more stringent than federal standards. One of the ways standards are applied is through State Implementation Plans (SIP), which are prepared to assist regional air quality management districts in meeting the federal and state ambient air quality standards in accordance with the deadlines specified in the federal Clean Air Act (CAA) and emission reduction targets of the California Clean Air Act.

Regional and local agencies have also assumed some responsibility for assuring that state and federal air quality standards are achieved. For the Coachella Valley, including the subject project site, the South Coast Air Quality Management District (SCAQMD) is responsible for establishing air quality measurement criteria and relevant management policies for the SSAB.

The 2003 PM_{10} Coachella Valley State Implementation Plan (CVSIP) was jointly developed by the SCAQMD, Coachella Valley Association of Governments (CVAG) and its member cities, and was approved by the U.S. EPA. The 2003 PM10 CVSIP updated the 1990 plan, which was drafted as a requirement of the federal Clean Air Act to demonstrate expeditious attainment of PM_{10} standards.[1] On April 18, 2003, the EPA approved the updated CVSIP.

The SSAB, including the Coachella Valley, is subject to the provisions of the SCAQMD Rule Book,[2] which sets forth policies and other measures designed to meet federal and state ambient air quality standards. These rules, along with SCAQMD's 2016 Air Quality Management Plan are intended to satisfy the planning requirements of both the federal and state Clean Air Acts. The SCAQMD also monitors daily pollutant levels and meteorological conditions throughout the District. Currently there are three monitoring sites in the Coachella Valley, located in Palm Springs, Indio, and Mecca.

The California Environmental Quality Act (CEQA) also sets forth standards to determine a project's potential to affect air quality. These standards as defined by the California Environmental Quality Act (CEQA) are described below.

Air Quality and Greenhouse Gas Significance Thresholds

The following significant thresholds or criteria are not strictly those recommended in §15064.7 of the CEQA Guidelines, rather they are derived from Appendix G of the Guidelines, and are used to determine if and to what extent a project may have a

1 "2003 Coachella Valley PM10 State Implementation Plan, August 1, 2003, p.ES-1.

2 South Coast Air Quality Management District Rules and Regulations, Adopted February 4, 1977.

potentially significant impact on air quality. The project would have a significant effect to air quality if the Project would:

a) Conflict with or obstruct implementation of the applicable air quality plan;

b) 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?

c) Expose sensitive receptors to substantial pollutant concentrations; or

d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Table 2 shows the SCAQMD significance thresholds for criteria pollutant emissions during construction and operation of a Project.

Table 2
SCAQMD Air Quality Significance Thresholds
Mass Daily Thresholds

Pollutant	Construction and Operation Thresholds
CO	550 lbs/day
NO_x	100 lbs/day
ROG	75 lbs/day
PM_{10}	150 lbs/day
$PM_{2.5}$	55 lbs/day
SOx	150 lbs/day
For the Coachella Valley, the mass daily thresholds for operation are the same as the construction thresholds.	

In addition, the Project would be considered to have a significant effect on greenhouse gas emissions if it is determined that the project would:

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment.

b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

A significant effect on the environment is defined as a "substantial, or potentially substantial, adverse change to the environment" (California Public Resources Code Section 21068).

On December 5, 2008, the SCAQMD formally adopted a greenhouse gas significance threshold of 10,000 MTCO2e/year that only applies to stationary sources (industrial uses) where SCAQMD is the lead agency (SCAQMD Resolution No. 08-35). This threshold was

adopted based upon an October 2008 staff report and draft interim guidance document[3] that also recommended a threshold for all projects using a tiered approach. It was recommended by SCAQMD staff that a project's greenhouse gas emissions would be considered significant if it could not comply with at least one of the following "tiered" tests:

- **Tier 1**: Is there an applicable exemption?
- **Tier 2**: Is the project compliant with a greenhouse gas reduction plan that is, at a minimum, consistent with the goals of AB 32?
- **Tier 3**: Is the project below an absolute threshold (10,000 MTCO2e/yr for industrial projects; 3,000 MTCO2e/yr for residential and commercial projects)?
- **Tier 4**: Is the project below a (yet to be set) performance threshold?
- **Tier 5**: Would the project achieve a screening level with off-site mitigation?

C. Air Quality Standards

Federal and state air quality standards established for criteria pollutants are designed to protect the general population and especially that segment of the population that is most susceptible to respiratory distress or infection, including the elderly, children, asthmatics, or those who are weak from disease or illness.

The following air pollutants are collectively known as criteria air pollutants and are defined as those pollutants for which established air quality standards have been adopted by federal and state governments:

Ozone (O_3) is a pungent, colorless, toxic gas, and a component of photochemical smog. It is formed when byproducts of combustion react in the presence of ultraviolet sunlight. This process takes place in the atmosphere where oxides of nitrogen combine with reactive organic gases, such as hydrocarbons. Exposure to ozone can result in diminished breathing capacity, increased sensitivity to infections, and inflammation of the lung tissue. Children and people with pre-existing lung disease are most susceptible to the effects of ozone.

Carbon Monoxide (CO) is a colorless, odorless, toxic gas and a byproduct from the partial combustion of fossil fuels, most notably from automobiles and other motor vehicles. Carbon monoxide passes through the lungs directly into the blood stream and reduces the amount of oxygen reaching the vital organs, such as the heart, brain and tissues. In high concentrations, carbon monoxide can contribute to the development of heart disease, anemia, and impaired psychological behavior. Individuals that have heart and blood diseases, smokers, babies in utero, and people with chronic hypoxemia are most susceptible to the effects of CO. The SSAB is in non-attainment for the federal 8-hour O_3 standard.

Nitrogen Oxide (NO_x) includes Nitric oxide (NO) and Nitrogen dioxide (NO_2), which are the primary oxides of nitrogen, and combined are known as nitrogen oxides. These oxides are produced at high temperatures during combustion as byproducts of motor vehicles, power plants, and off-road equipment. NOx contributes to the formation of ozone serving

[3] Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold, prepared by SCAQMD, October 2008.

as the primary receptor of ultraviolet light and initiating the photochemical reaction. Short-term exposure to nitrogen dioxide can result in airway constriction, diminished lung capacity, and is highly toxic by inhalation. Populations living near roadways are more likely to experience effects of nitrogen oxides due to elevated exposure to motor vehicle exhaust. The SSAB is in attainment for NO_2.

Sulfur Dioxide (SO_2) results from the combustion of high-sulfur content fuels, such as coal and petroleum. Sources include motor vehicle fuel combustion, chemical manufacturing plants, and sulfur recovery plants. Sulfur dioxide is a colorless, pungent, extremely irritating gas that can cause airway constriction and severe breathing difficulties in asthmatics. High levels of exposure can cause fluid accumulation in the lungs, damage to lung tissue, and sloughing off of cells lining the respiratory tract. The SSAB is in attainment for SO_2.

Particulate Matter (PM_{10} and $PM_{2.5}$) consist of fine suspended particles of ten microns or smaller in diameter, and are the byproducts of road dust, sand, diesel soot, windstorms, and the abrasion of tires and brakes. The elderly, children and adults with pre-existing respiratory or cardiovascular disease are most susceptible to the effects of PM. Elevated PM_{10} and $PM_{2.5}$ levels are also associated with an increase in mortality rates, respiratory infections, occurrences and severity of asthma attacks and hospital admissions. The SSAB is a non- attainment area for PM_{10} and is classified as attainment/unclassifiable for $PM_{2.5}$.

Volatile Organic Compounds (VOC) are also known as Reactive Organic Gas (ROG). This class of pollutants has no state or federal ambient air quality standards and is not classified as criteria pollutants; however, they are regulated because they are responsible for contributing to the formation of ozone. They also contribute to higher PM_{10} levels because they transform into organic aerosols when released into the atmosphere. VOCs pose a health threat when people are exposed to high concentrations. Benzene, for example, is a hydrogen component of VOC emissions known to be a carcinogen.

Lead (Pb) occurs in the atmosphere as particulate matter resulting from the manufacturing of batteries, paint, ink, and ammunition. Exposure to lead can result in anemia, kidney disease, gastrointestinal dysfunction, and neuromuscular and neurological disorders. Babies in utero, infants, and children are especially susceptible to health risks associated with exposure to lead by impacting the central nervous system and cause learning disorders. The SSAB is in attainment for lead.

Table 3 on the following page shows the state and national ambient air quality standards for criteria pollutants.

Table 3
State and National Ambient Air Quality Standards

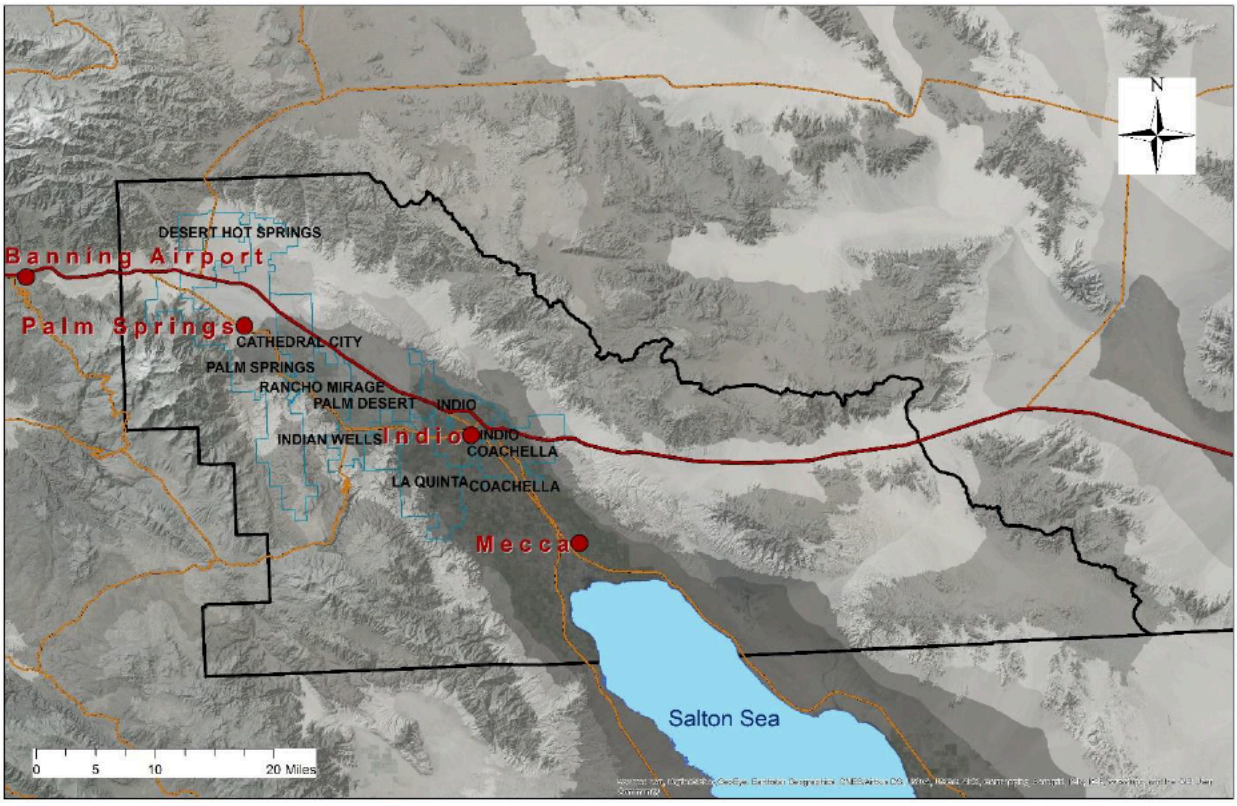
Pollutant	State Standards		National Standards**	
	Avg. Time	Concentration	Avg. Time	Concentration
Ozone (O_3)	1-hour 8-hour	0.09 ppm 0.07 ppm	1-hour 8-hour	None 0.070 ppm
Carbon Monoxide (CO)	1-hour 8-hour	20.0 ppm 9.0 ppm	1-hour 8-hour	35.0 ppm 9.0 ppm
Nitrogen Dioxide (NO_2)	1-hour AAM	0.18 ppm 0.030 ppm	1-hour AAM	0.10 ppm 0.053 ppm
Sulfur Dioxide (SO_2)	1-hour 24-hour AAM	0.25 ppm 0.04 ppm None	1-hour 24-hour AAM	0.075 ppm 0.14 ppm 0.03 ppm
Particulate Matter (PM_{10})	24-hour AAM	50 μg/m^3 20 μg/m^3	24-hour AAM	150 μg/m^3 None
Particulate Matter ($PM_{2.5}$)	AAM 24-hour	12 μg/m^3 None	AAM 24-hour	12 μg/m^3 35 μg/m^3
Lead	30-day Avg.	1.5 μg/m^3	3-month Avg.	0.15 μg/m^3
Visibility Reducing Particles	8-hour	No standard	No Federal Standards	
Sulfates	24-hour	25μg/m^3		
Hydrogen Sulfide	1-hour	0.03 ppm		
Vinyl Chloride	24-hour	0.01 ppm		

Source: California Air Resources Board.
Notes: ppm = parts per million; ppb= parts per billion; μg/ m^3 = micrograms per cubic meter of air; AAM = Annual Arithmetic Mean.

The air quality of a particular locale is considered to be in attainment if the measured ambient air pollutant levels for O_3, CO, SO_2 (1-hour and 24-hour), NO_2, and PM_{10} and $PM_{2.5}$ are not exceeded and all other standards are not equaled or exceeded at any time in any consecutive three-year period. Attainment also assumes the national standards (other than O_3, PM_{10}, and those based on annual averages or arithmetic mean) are not exceeded more than once per year. The O_3 standard is in attainment when the fourth highest eight-hour concentration 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 99 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Refer to Table 1 above for attainment standards.

D. Regional Air Quality Monitoring

The South Coast Air Quality Management District operates and maintains three air quality monitoring stations within Source Receptor Area (SRA) 30 (Coachella Valley). SR 30 includes the Indio, Palm Springs and Mecca monitoring stations, which have been operational since 1985, 1987, and 2013, respectively. Both Indio and Palm Springs stations monitor for ozone and PM_{10}. The Mecca station monitors for PM_{10}.The map below shows the locations of the three monitoring stations in the Coachella Valley.



The following tables show the maximum concentration and number of days annual that state and federal standards for ozone and particulate matter (PM_{10} and $PM_{2.5}$) were exceeded between 2010 and 2018 in the Coachella Valley.

Table 4 on the following page shows that federal and state 24-hour standards for PM_{10} were exceeded more frequently at the Indio station between 2010 and 2018. Limited 24-hour state data has been provided from all three stations over the past several years; however, it is assumed that PM_{10} levels continue to exceed state standards until otherwise reported.

Table 4
PM_{10} Monitoring Data for the Coachella Valley

Monitoring Station	Year	Maximum Concentration (µg/m³/24 hours) **	No. Days Exceeding 24-hr. Standards		Annual Average (µg/m³)
			Federal[1]	State[2]	AAM[3]
Palm Springs	2010	144.8	0.0	0.0	19.4
	2011	396.9	2.0	0.0	21.7
	2012	143.4	0.0	0.0	19.9
	2013	185.8	1.0	13.1	23.1
	2014	313.8	1.1	*	25.4
	2015	199.0	1.0	*	20.9
	2016	447.2	1.1	*	23.1
	2017	105.6	0.0	*	22.1
	2018	422.3	2.0	0	22.9
Indio	2010	107.0	0.0	23.9	28.8
	2011	375.9	2.0	18.6	32.6
	2012	270.6	*	43.2	33.6
	2013	255.2	3.0	85.2	37.5
	2014	322.3	6.1	94.9	43.5
	2015	381.0	*	*	44.0
	2016	393.2	*	135.7	37.0
	2017	198.6	1.0	*	34.8
	2018	336.0	2.2	88.4	34.8
Mecca	2014	*	*	*	*
	2015	306.4	5.0	*	44.2
	2016	468.9	*	*	41.1
	2017	477.6	*	81.5	47.5
	2018	275.2	6.3	*	40.8

Source: Annual air quality site monitoring reports per ARB. https://www.arb.ca.gov/adam, accessed January 2020.
[1] = > 150 µg/m³ in 24 hour period; [2] = > 50 µg/m³ in 24 hour period; [3] Federal Annual Average Standard AAM > 50µg/m³ revoked December 17, 2006. State standard is AAM > 20µg/m³
4 State Annual Average Standard = AGM > 20µg/m³
* There are insufficient (or no) data available to determine the value.
** Data may include exceptional events.

Table 5 shows that the Palm Springs monitoring station exceeds the 8-hour federal and state ozone standards more frequently than the Indio site. This exceedance is attributable to the Palm Springs station's location closer to the San Gorgonio Pass where ozone is imported into the SSAB from air basins to the west.

Table 5
Ozone Monitoring Data for the Coachella Valley

Monitoring Station	Year	Max. Concentration		No. Days Standard Exceeded		
				Federal[1]	State[2]	
		1 Hour ppm	8 Hour ppm	8 Hour	1 Hour	8 Hour
Palm Springs	2010	0.114	0.099	76	20	78
	2011	0.124	0.098	66	21	69
	2012	0.126	0.100	76	17	79
	2013	0.113	0.104	76	10	82
	2014	0.108	0.093	55	9	61
	2015	0.102	0.092	47	3	51
	2016	0.103	0.092	46	6	48
	2017	0.113	0.097	57	18	63
	2018	0.111	0.099	56	11	58
Indio	2010	0.100	0.087	45	6	45
	2011	0.099	0.090	40	3	42
	2012	0.102	0.089	43	2	45
	2013	0.105	0.087	35	2	38
	2014	0.095	0.091	24	2	30
	2015	0.093	0.085	11	0	12
	2016	0.099	0.089	27	3	29
	2017	0.107	0.093	44	8	47
	2018	0.106	0.091	49	4	52

Source: ARB Annual Air Quality Data Tables. https://www.arb.ca.gov/adam, accessed January 2020.
1 = > 0.070 parts per million for the 8 hour standard.
2 = > 0.09 and 0.070 parts per million in 1 hour and 8 hour, respectively.

Criteria Air Pollutants Summary

Air quality in the Salton Sea Air Basin exceeds state and federal standards for fugitive dust (PM_{10}) and ozone (O_3), and is in attainment/unclassified for $PM_{2.5}$. Ambient air quality in the SSAB, including the project site, does not exceed state and federal standards for carbon monoxide, nitrogen dioxides, sulfur dioxide, lead, sulfates, hydrogen sulfide, or Vinyl Chloride. The following table shows the basin's federal and state attainment status for criteria pollutants.

Table 6
Salton Sea Air Basin Designation Status

Criteria Pollutants	Federal Designation	State Designation
Ozone – 8-hour standard	Nonattainment	Nonattainment
Carbon Monoxide	Attainment	Attainment
Nitrogen Dioxide	Attainment	Attainment
Sulfur Dioxide	Attainment	Attainment
PM_{10}	Nonattainment	Nonattainment
$PM_{2.5}$	Attainment	Attainment
Source: U.S. EPA Green Book accessed 2020.		

E. Regional Pollutants of Concern

Local air quality conditions are determined by climate, geography, and regional activities, including grading, construction and vehicular traffic, as well as heating, cooling, and ventilation equipment. The criteria pollutants of concern in the project area and the Coachella Valley are ozone (O_3), and particulate matter (PM_{10}). These are further described below:

PM_{10} Emissions

Historically, PM_{10} levels in the Coachella Valley are elevated due to fugitive dust emissions from grading and construction activities, agricultural practices, and strong wind. The finer materials, including sand and silt, can be picked up and transported by the wind and are referred to as "blowsand". PM_{10} particles associated with blowsand are of two types: (1) natural PM_{10} produced by direct particle erosion and fragmentation, and (2) secondary PM_{10} whereby sand deposited on roadways is further pulverized by motor vehicles and then re-suspended in the air by those vehicles. The project is located in a PM_{10} non-attainment area for the state and federal PM_{10} standard.

The Coachella Valley had become eligible for redesignation as attainment due to the annual average PM_{10} concentrations meeting the revoked federal standard. On February 25, 2010 the California Air Resources Board approved the Coachella Valley PM_{10} Redesignation Request and Maintenance Plan from serious non-attainment to attainment for the PM_{10} National Ambient Air Quality Standard under CAA Section 107. The PM10 data from the Coachella Valley monitors shows attainment of the PM10 24-hour NAAQS after the removal of the flagged high-wind exceptional events, for which SCAQMD supporting documentation will be submitted and subsequent U.S. EPA approval will be required. However, U.S. EPA has requested that SCAQMD conduct additional ambient monitoring in the southeastern portion of the Coachella Valley before the redesignation can be considered. This new station has been in operation since 2013 in the community of Mecca, and redesignation will be revisited upon analysis of the required 3 full years of data. As of January 2020, the Environmental Protection Agency has not re-designated the PM_{10} classification for the Coachella Valley[4]. The Coachella Valley continues to exceed the state standard and is in a serious non-attainment area for PM_{10}.

SCAQMD employs measures to reduce particulate matter in the District, sets forth new measures that could further reduce particulate matter, and lists those new measures that need further evaluation prior to implementation. In addition, applicable state code and AQMD Rules, including Rule 403 (Fugitive Dust), enforce fugitive dust compliance for all activities within the SSAB.

Ozone Emissions

Under the Federal Clean Air Act, the Coachella Valley portion of the SSAB is classified as a "severe-15" O_3 non-attainment area for the 8-hour state standard, which means that the region must come into compliance with Federal ozone standards by December 31, 2027. With future emission controls, the Coachella Valley will achieve the 2008 8-hour federal O_3 standard by 2024.

[4] "EPA Green Book Designated Non-attainment Areas for All Criteria Pollutants," Accessed January 2020.

SCAQMD studies indicate that most O_3 is transported to the Salton Sea Air Basin from the upwind South Coast Air Basin (SCAB). It is difficult to quantify the amount of ozone contributed from SCAB; however, reduced O_3 concentration in the SSAB depends, in part, upon reduced ozone emissions in the South Coast Air Basin.

F. Climate Change and Greenhouse Gasses

Air pollution is a chemical, physical or biological process that modifies the chemistry and other characteristics of the atmosphere. The primary contributor to air pollution is the burning of fossil fuels used in transportation, power and heat generation, and industrial processes. The byproducts from the combustion of fossil fuels can contain a number of air polluting substances. These emissions are responsible for the poor air quality that is evident in industrial centers worldwide.

Some air polluting agents are also greenhouse gases (GHG) such as carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), and fluorinated gases (hydrofluorocarbons, perfluorocarbons and sulfur hexafluoride), which are released into the atmosphere through natural processes and human activities. These gases are termed greenhouse gases due to their shared characteristic of trapping heat, and are believed to be responsible for the global average increase in surface temperatures of 0.7-1.5 °F that were observed during the 20th century. The quantity of greenhouse gases in the atmosphere has increased significantly over a relatively short period. More recently, the concentration of CO_2 in the atmosphere had increased by 42%, methane by 15%, and NOx by 9% from 1990 to 2010.[5]

Carbon dioxide is the primary greenhouse gas that has raised the most concern of atmospheric scientists due to current atmospheric levels, current and projected emission levels, and the highly correlated temperature regression curve that has been observed, predicting a future path of rising carbon dioxide levels. Currently (2015), carbon dioxide concentrations in the atmosphere are around 400 ppm. Comparatively, prior to the Industrial Revolution, about 250 years ago, CO_2 levels were 278 ppm, and over the past 650,000 years carbon dioxide levels have fluctuated between 180 and 300 ppm, making present day atmospheric CO_2 levels substantially greater than at any point in the past 650,000 years.[6]

California is the second largest greenhouse gas contributor in the U.S. and the sixteenth largest in the world. In 2004, California produced 492 million metric tons (MMT) of CO_2 equivalent ($MMTCO_2e$), which was approximately 7% of all U.S. emissions. However, in 2015, California's total emissions were 440.4 $MMTCO_2e$, representing an overall decrease of 10% since peak levels in 2004. During the 2000 to 2015 period, per capita GHG emissions in California continued to drop from a peak in 2001 of 14.0 tons per person to 11.3 tons per person in 2015, a 19% decrease. This decrease may be due to increases in the effectiveness of energy conservation in buildings (Title 24 requirements) and the increased use of renewable energy, including solar generation, hydropower, and wind energy.

---

5 U.S. Environmental Protection Agency, Figure 1: Global Greenhouse Gas Emissions by Gas, 1990-2010, May 2014. http://www.epa.gov/climatechange/science/recentac.html

6 "Working Group III Contribution to the Intergovernmental Panel on Climate Change Fourth Assessment Report, Climate Change 2007: Mitigation of Climate Change," prepared by the Intergovernmental Panel on Climate Change, May 2007.

In 2017, emissions from GHG emitting activities statewide were 424 million metric tons of CO2 equivalent (MMTCO2e), 5 MMTCO2e lower than 2016 levels and 7 MMTCO2e below the 2020 GHG Limit of 431 MMTCO2e[7]. The transportation sector remains the largest source of GHG emissions in the State, accounting for 40% of California's emissions in 2017. Regulations and improved fuel efficiency of the State's vehicle fleet will drive down emissions over time, but population growth, lower fuel prices, improved economic conditions, and higher employment rates are potential factors that may increase fuel use.

There is much debate over what the effects of climate change will be, but there is a general consensus that the levels of emissions need to be reduced in order to minimize GHG emissions and limit the amount of carbon dioxide and other pollutants that are released into the atmosphere.

Climate Change Regulation

California was the first state to establish regulations that require the reduction of emissions of GHGs from motor vehicles. On September 24, 2004, the California Air Resources Board adopted a bill that requires all motor vehicles of 2009 vintage or later to reduce their greenhouse gas emissions by about 30% by the year 2016. On June 1, 2005 Governor Arnold Schwarzenegger issued executive order S-3-05, which calls for reduction in GHG emission to 1990 levels by 2020 and for an 80 percent reduction below 1990 levels by 2050.

Assembly Bill 32 (AB 32)
Assembly Bill 32 (AB 32), the California Global Warming Solutions Act, was adopted by the State legislature in 2006. It sets forth a program to achieve 1990 emission levels by 2020 and requires CARB to proclaim 1990 GHG emissions and develop a Scoping Plan that sets forth GHG reduction methods. CARB reported that 1990 GHG emissions totaled 427 million metric tons (MMT) in California; CARB adopted a GHG scoping plan on December 11, 2008. The Scoping Plan includes a cap and trade program, green building strategies, recycling and waste reduction, and Voluntary Early Actions and Reductions.

Senate Bill 32 (SB 32)
More recently, Executive Order B-30-15 was issued by Governor Brown on April 29, 2015, establishing a new California goal to reduce greenhouse gas emissions to 40 percent below 1990 levels by 2030 and ensuring the State will continue its efforts to reduce carbon pollution. Most recently, this 40% target was codified through Senate Bill 32 (2016), which adds section 38566 to the Health and Safety Code and requires that CARB ensure statewide GHG emissions meet the 40% reduction target no later than December 31, 2030.

Senate Bill 375 (SB 375)
Senate Bill 375 (SB 375) was signed by the Governor in September 2008 and is intended to, at least in part, implement greenhouse gas reduction targets set forth in AB 32 by setting regional "caps" on the GHGs emitted by the transportation sector. The bill

[7] "2019 Edition, California Greenhouse Gas Emission Inventory: 2000-2017," California Environmental Protection Agency Air Resources Board.

encourages regional land use planning to reduce vehicle miles traveled and requires Metropolitan Planning Organizations (MPOs) to adopt a Sustainable Communities Strategy (SCS) as part of their Regional Transportation Plans. The applicable MPO for the Coachella Valley is the Southern California Association of Governments (SCAG), which adopted its most recent Regional Transportation Plan and Sustainable Communities Strategy in April 2016. The current reduction targets from SCAG's RTP and SCS are a 9% reduction by 2020 and a 16% reduction by 2035, as compared to 2005 emissions levels.

State Vehicle Standards

In response to the transportation sector accounting for more than half of California's carbon dioxide (CO_2) emissions, AB 1493 was enacted in 2002. AB 1493 required CARB to set GHG emission standards for passenger vehicles, light-duty trucks, and other vehicles determined by the state board to be vehicles whose primary use is noncommercial personal transportation in the state. The bill required that CARB set GHG emission standards for motor vehicles manufactured in 2009 and all subsequent model years. The 2009–2012 standards resulted in a reduction in approximately 22% GHG emissions compared to emissions from the 2002 fleet, and the 2013–2016 standards resulted in a reduction of approximately 30%.

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

Regional and Local Plans, Programs, and Inventories

South Coast Air Quality Management District

The South Coast Air Quality Management District (SCAQMD) is responsible for monitoring air resources and enforcing air pollution regulations in the Salton Sea Air Basin (SSAB). It promotes numerous programs to combat climate change, including those that promote energy conservation, low-carbon fuel technologies, and renewable energy. It has adopted a number of regulations and policies aimed at ensuring clean air. In 2009, during SCAQMD GHG working group meetings, SCAQMD staff proposed a variety of thresholds for GHG emissions. However, as of January 2020, the SCAQMD Governing Board has not formally adopted the proposed interim tiered approach for evaluating GHG impacts.

Rancho Mirage Greenhouse Gas Inventory[8]

The Rancho Mirage Greenhouse Gas Inventory, completed in 2012, was the City's first major planning effort toward climate protection. It quantified the City's 2010 baseline year GHG emissions, including those emitted by municipal and community-wide sources. It also "back-casted" 1990 GHG emissions and projected future emissions under "business-as-usual" conditions.

8 "Rancho Mirage Greenhouse Gas Inventory," EcoMotion Incorporated, September 2012.

Rancho Mirage Sustainability Plan[9]
The GHG Inventory described above served as a baseline guide for the Rancho Mirage Sustainability Plan. The Plan is consistent with the goals of AB 32 and calls for an eight year, three-phase period to address emissions reductions goals. For Rancho Mirage to achieve the statewide target of 1990 levels by 2020, it will have to reduce emissions by 54,272 tonnes, a 19.8% reduction. Phase I includes 24 policies and programs that will reduce carbon emissions by about 26,961 metric tons annually, approximately 45% of the total emissions requirement to reach the City's reduction goal by 2020. Phases II and III are long-term strategies that build upon Phase I initiatives.

Rancho Mirage Green Building Code
The Rancho Mirage Green Building Code is contained in Chapter 15.02 of the City's Municipal Code. On November 21, 2019, the City adopted the 2019 California Green Building Standards Code effective January 1. 2020[10], which "enhances the design and construction of buildings through the use of building concepts having a reduced negative impact, or positive environmental impact and encouraging sustainable construction practice within the City."

Greenhouse Gasses Analyzed

For the purpose of this analysis the emission of the following greenhouse gases are evaluated: carbon dioxide (CO_2), methane (CH_4), and nitrous oxide (N_2O).

Carbon Dioxide (CO_2): is an odorless and colorless gas that is emitted from natural sources such as the decomposition of dead organic matter, respiration of bacteria, plants, animals and fungus, evaporation from oceans, and volcanic out gassing. Manmade sources of CO_2 include the combustion of coal, oil, natural gas, and wood. Carbon dioxide is naturally removed from the air by photosynthesis, dissolution into ocean water, transfer to soils and ice caps, and chemical weathering of carbonate rocks.

Methane (CH_4): is released naturally as part of biological processes such as in low oxygen environments like swamplands, bogs, or in rice production (at the roots of the plants) and in cattle raising. Mining of coal, the combustion of fossil fuels and biomass burning also generate methane emissions. Methane is a more efficient absorber of radiation compared to CO_2, however its atmospheric concentration is less than carbon dioxide.

Nitrous Oxide (N_2O): is more commonly known as laughing gas and is a colorless greenhouse gas that in small doses can cause dizziness, euphoria, and sometimes slight hallucinations.

Chlorofluorocarbons (CFCs): CFCs are gases formed synthetically by replacing all hydrogen atoms in methane or ethane (C_2H_6) with chlorine and/or fluorine atoms. CFCs are nontoxic, nonflammable, insoluble, and chemically unreactive in the troposphere (the level of air at the Earth's surface). CFCs have no natural source, but were first synthesized in 1928. It was used for refrigerants, aerosol propellants, and cleaning solvents. Due to the discovery that they are able to destroy stratospheric ozone, a global

9 "Rancho Mirage Sustainability Plan," EcoMotion Incorporated, March 2013.
10 Ordinance No. 1160, City of Rancho Mirage, adopted November 19.

effort to halt their production was undertaken and in 1989 the European Community agreed to ban CFCs by 2000 and subsequent treaties banned CFCs worldwide by 2010. This effort was extremely successful, and the levels of the major CFCs are now remaining level or declining. However, their long atmospheric lifetimes mean that some of the CFCs will remain in the atmosphere for over 100 years.

Hydrofluorocarbons (HFCs): HFCs are synthetic man-made chemicals that are used as a substitute for CFCs. Out of all the GHGs, they are one of three groups with the highest global warming potential. The HFCs with the largest measured atmospheric abundances are (in order), HFC-23 (CHF_3), HFC-134a (CF_3CH_2F), and HFC-152a (CH_3CHF_2). Prior to 1990, the only significant emissions were HFC-23. HFC-134a use is increasing due to its use as a refrigerant. Concentrations of HFC-23 and HFC-134a in the atmosphere are now about 10 parts per trillion (ppt) each. Concentrations of HFC-152a are about 1 ppt. HFCs are manmade for applications such as automobile air conditioners and refrigerants.

Perfluorocarbons (PFCs): PFCs have stable molecular structures and do not break down through the chemical processes in the lower atmosphere. High-energy ultraviolet rays about 60 kilometers above Earth's surface are able to destroy the compounds. Because of this, PFCs have very long lifetimes, between 10,000 and 50,000 years. Two common PFCs are tetrafluoromethane (CF_4) and hexafluoroethane (C_2F_6). Concentrations of CF_4 in the atmosphere are over 70 ppt. The two main sources of PFCs are primary aluminum production and semiconductor manufacturing.

Sulfur Hexafluoride (SF_6): SF_6 is an inorganic, odorless, colorless, nontoxic, nonflammable gas. Sulfur hexafluoride is used for insulation in electric power transmission and distribution equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas for leak detection.

SECTION III. PROPOSED PROJECT IMPACTS

The following discussion describes the major sources of air pollutants associated with the development and operation of the HBFC Project.

A. Air Quality Emissions

Buildout of the HBFC Project will result in the direct and indirect generation and emission of air pollutants during construction and operation. The California Emissions Estimator Model (CalEEMod), version 2016.3.2, was used to estimate potential air pollutant emissions associated with the proposed Project. CalEEMod output tables are provided in Appendix A of this Report.

For analysis purposes, Project-related emission impacts were derived from comparing the existing HBFC campus conditions to buildout conditions of the HBFC campus with proposed Project improvements. The net emissions would capture both the new emissions associated with the expansion of the day treatment facility, and the replacement of older residential buildings with a more energy efficient design.

Construction Emissions

It is anticipated that the Project would be built out in three phases over the course of four years. For analysis purposes, however, construction of the entire Project, including all components of the Project, is assumed to be continuous and will occur over a 2.5-year period starting in early-2021 with buildout in mid-2023. This approach provides a conservative projection of maximum daily emissions with the potential for multiple Project components to be under construction at one time. Construction-related criteria pollutant emissions will be temporary and will end once construction is complete.

Construction activities include building demolition and hauling, site excavation and grading, materials import, construction worker travel, etc. Project construction data are listed below and have been applied to the CalEEMod software:

- Building demolition: 51,694 square feet
- Grading material net export: 26,217 cubic yards
- Material hauling distance: currently unknown, assumed 20-mile radius.
- Project-specific construction equipment list (see Appendix A)
- Construction of new residential halls, day care facilities, and amenities: 56 new beds and approximately 23,000 square feet of new day treatment facilities (total of 156 beds)
- New asphalt and concrete, including both on-site and improvements along Vista Del Sol: 87,129 square feet.

The following table describes pollutant emissions during construction of the proposed Project. Data represent maximum daily emissions expected over the 2.5-year buildout period.

Table 7
Construction Emissions Summary
(lbs./day)

	CO	NO_x	ROG	SO_x	PM_{10}	$PM_{2.5}$
Max. Daily Emissions[1]	91	25	42	0	4	2
SCAQMD Threshold[2]	**550**	**100**	**75**	**150**	**150**	**55**
Exceeds Threshold	**No**	**No**	**No**	**No**	**No**	**No**

Source: CalEEMod Version 2016.3.2. See Appendix A for detailed tables. Value shown represents the average emissions of summer and winter outputs (rounded numbers).
1. Emissions with adherence to standard dust control measures and SCAQMD requirements for Tier 4 engines and low VOC/ROG coatings.
2. Source: "SCAQMD Air Quality Significance Thresholds" prepared by SCAQMD.

As shown in the table above, SCAQMD daily thresholds for CO, NO_x, ROG, SOx, PM_{10} and $PM_{2.5}$ will not be exceeded during construction of the proposed Project. Adherence to standard dust control measures and SCAQMD requirements for Tier 4 engines and low VOC/ROG coatings (AQ-1, -3, and -4) will ensure impacts will be less than significant.

Operational Emissions

Operational emissions are those released over the long-term life of the proposed Project. They include emissions generated by area, energy (electricity and natural gas), and mobile sources. Area sources include consumable products, such as building maintenance and cleaning supplies, kitchen and restroom supplies, pavement off-gassing, and periodic reapplication of architectural coatings. Energy sources include the direct and indirect use of fossil fuels for energy, including natural gas and electricity use in buildings, parking lot lighting, ventilation equipment, and elevators. Mobile emissions are generated by motor vehicle trips.

The following assumptions were made in CalEEMod:

- Although the existing HBFC structures were built in the early 1980's, CalEEMod can only back track and model past years' emissions to the year 2000. For analysis purposes, existing conditions were analyzed for the year 2020 to capture increased efficiencies in mobile source technology that better characterize existing emissions. However, this also means that existing building energy efficiency is overstated, and in reality, energy source emissions would most likely be higher due to the less efficient building technology used in the 1980's compared to 2020.

- Traffic trip generation rates were derived from traffic counts conducted on December 11, 2019[11] and the 10th Edition ITE "Trip Generation" handbook[12]. The "Hospital" trip rate is 8.87 trips per bed per day, and the "Office" trip rate is 9.74 trips per 1,000 square feet per day. This amounts to approximately 1,300 daily weekday trips under existing conditions, and approximately 1,860 daily weekday trips under proposed Project conditions. Therefore, the net increase in daily trips

11 Hazelden Betty Ford Center Traffic Impact Analysis, Urban Crossroads, February 4, 2020.
12 Institute of Transportation Engineers (ITE) Trip Generation Manual, 10th Edition, 2017.

with development of the proposed Project is approximately 560 trips.

The following table identifies the operational criteria pollutant emissions of the existing HBFC versus the full campus operations under the proposed Project. The difference in emission projections provides the overall net impacts of the proposed renovations and expansion of the HBFC per the PDP Project. As shown in the table, Project-generated operational emissions will not exceed SCAQMD thresholds for any criteria pollutant, and impacts will be less than significant.

Table 8
Operational Emissions Summary
(lbs./day)

	CO	NO_x	ROG	SO_x	PM_{10}	$PM_{2.5}$
Existing Operation	*39*	*31*	*8*	*0*	*8*	*2*
*Proposed Operation**	*42*	*29*	*8*	*0*	*11*	*3*
Net Difference	**+3**	**-2**	**0**	**0**	**+3**	**+1**
SCAQMD Threshold**	**550**	**100**	**75**	**150**	**150**	**55**
Exceeds Threshold	**No**	**No**	**No**	**No**	**No**	**No**

Source: CalEEMod Version 2016.3.2. See Appendix A for detailed tables. Value shown represents the average emissions of summer and winter outputs.
* Inclusive of all buildings and operations post-Project construction.
** Source: "SCAQMD Air Quality Significance Thresholds" prepared by SCAQMD.

Sensitive Receptors

The purpose of analyzing Localized Significance Thresholds (LST) is to determine whether a project may generate significant adverse localized air quality impacts to the nearest exposed individual or sensitive receptor. Land uses that are sensitive receptors include, but are not limited to schools, churches, residences, hospitals, day care facilities, and elderly care facilities. The nearest sensitive receptors to the proposed Project are resort residences approximately 150 feet to the west, in the Westin Desert Willow villas project.

Analysis of LSTs by a local government is voluntary and is designed for projects that are less than or equal to five acres. The maximum area of disturbance associated with buildout of the proposed Project would not exceed 5 acres, and it is assumed that buildout would occur over the course of four years. Although the total project area is greater than five acres, the area of daily disturbance (for purposes of LST analysis only) is limited to five acres or less per day at any given location. Therefore, the five-acre look up table is appropriate under the SCAQMD's methodology to screen for potential localized air quality impacts.[13]

[13] South Coast AQMD, "Fact Sheet for Applying CalEEMod to Localized Significance Thresholds." Per SCAQMD's guidance, the identified equipment is used to determine the maximum daily soil disturbance area for the purposes of evaluating localized construction impacts and is not an exhaustive list of all equipment that would be used during project construction. Additionally, the acreage identified in this table is used for the purposes of identifying a conservative Localized Significance Threshold (i.e., smaller disturbed areas

The Mass Rate Look-Up tables for LSTs were used to determine if the proposed Project would have the potential to generate significant adverse localized air quality impacts during construction. The LST for Source Receptor Area (SRA) 30 (Coachella Valley) was used to determine LST emission thresholds. The distance from the emission source and the maximum daily site disturbance also determines emission thresholds. For analysis purposes, the worst-case scenario of a sensitive receptor being within 25 meters was used.[14]

The following table shows that LST thresholds are not expected to be exceeded for any criteria pollutant during construction. Because the proposed land uses do not include major stationary polluters (such as a landfill, chemical plant, oil field, refineries etc.), LST analysis was not conducted or required for Project operation. Therefore, impacts to sensitive receptors from Project construction will be less than significant.

Table 9
Localized Significance Thresholds
Proposed Project
(lbs per day)

	CO	NO_x	PM_{10}	$PM_{2.5}$
Construction	91	25	4	2
LST Threshold	2,292	304	14	8
Exceed?	No	No	No	No

Source of Emission Data: CalEEMod Version 2016.3.2, see Appendix B.
Source of LST Threshold: LST Mass Rate Look-up Table, 25 meters, 5 acres, SCAQMD.

Potential Odors

The proposed Project has the potential to result in short-term odors associated with operation of heavy equipment during grading, excavation, and other construction activities. However, construction-related odors would be temporary and quickly dispersed below detectable levels as distance from the construction area increases. During Project operation, odors may be emitted from onsite food service facilities; however, all existing and proposed facilities would be equipped with proper ventilation systems to effectively remove grease, smoke, and other odors. In addition, potential odors will be further reduced through implementation of Mitigation Measure AQ-2, which requires nuisance odor abatement per SCAQMD Rule 402. Therefore, impacts associated with odors will be less than significant. The Project is not expected to result in other emissions that would adversely affecting a substantial number of people.

have lower Localized Significance Thresholds) and does not represent a daily limit on the grading allowed on the site. In summary, the LST methodology focuses on the equipment that may be operated and acreage that may be disturbed in areas immediate proximate to potential sensitive receptors, even if other equipment may be operated or other acreage may be disturbed in areas that are farther away from the sensitive receptor.

[14] The most stringent LST threshold category is for a distance 25 meters, therefore it is considered worst-case scenario.

B. Greenhouse Gas Emissions

Construction Emissions

Construction of the proposed Project is anticipated to occur over a four-year period starting in 2021 with buildout in late-2024. For analysis purposes, all project components have been analyzed concurrently over a 2.5-year period. Phasing of the proposed Project will likely reduce GHG emission during construction, however, the single-phase buildout scenario analysis generates the worst-case scenario conditions.

Project construction data are listed below and have been applied to the CalEEMod model. During construction, fossil fuel use by construction equipment, machinery, haul trucks, and employees' commuter vehicles will generate short-term GHG emissions. All components of construction, including equipment, fuels, and materials, will be subject to current regulations of GHGs and equipment efficiency standards, which are meant to reduce GHG emissions.

- Building demolition: 51,694 square feet
- Grading material next export: 26,217cubic yards
- Material hauling distance: currently unknown, assumed 20-mile radius.
- Project-specific construction equipment list (see Appendix B)
- Construction of new residential halls, day care facilities, and amenities: 56 new beds and
- approximately 23,000 square feet of new day treatment facilities (total of 156 beds)
- New asphalt and concrete, including on-site and improvements along Vista Del Sol: 87,129 square feet.

As shown in Table 10, construction of the HBFC PDP Project would result in a total of 2,635 MTCO2e over the 2.5-year buildout period. There are currently no construction related GHG emission thresholds for projects of this nature. To determine if construction emissions will result in a significant impact, build out GHG emissions were amortized over a 30-year period and added to annual operational emissions to be compared to applicable GHG thresholds.[15] Standard emission control requirements were applied to construction and set forth below, include standard dust control management and require all construction equipment meets or exceeds the California Air Resources Board (CARB) and U.S. Environmental Protection Agency (USEPA) Tier 4 off-road emissions standards for equipment rated at 50 horsepower or greater during Project construction (see Section V of this Report for list of mitigation measures).

Operational Emissions

Buildout of the Project is anticipated to occur in late 2024. As previously discussed, five emission source categories will contribute either directly or indirectly to operational GHG emissions: energy/electricity usage, water usage, solid waste disposal, area emissions (pavement and architectural coating off-gassing), and mobile sources. Existing

[15] "Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans," SCAQMD, December 5, 2008.

operational emissions were compared to the proposed Project's emissions to determine the net impacts associated with the proposed renovation and expansion.

The following Project data was applied to the CalEEMod software to determine operational emissions. The results are shown in Table 10.

- New residential halls, day care facilities, and amenities: 56 new beds and 22,748 square feet of new day treatment facilities (total of 156 beds when combined with existing uses)
- Office/administration/conference space: 49,677 square feet
- Traffic trip rate: Hospital daily trip rate based on 12/11/19 traffic counts; Office daily trip rate based on Traffic Report, ITE 10th Edition. Hospital = 8.87 trips per bed; Office = 9.74 trip per 1,000 square feet.

On December 5, 2008, the SCAQMD formally adopted a greenhouse gas significance threshold of 10,000 $MTCO_2e$/yr that only applies to stationary source projects (industrial uses) for which SCAQMD is the lead agency (SCAQMD Resolution No. 08-35). This threshold was adopted based upon an October 2008 staff report and draft interim guidance document[16] that also recommended a threshold for all projects using a tiered approach. It was recommended by SCAQMD staff that a project's greenhouse gas emissions would be considered significant if it could not comply with at least one of the following "tiered" tests:

Tier 1: Is there an applicable exemption?
Does Not Comply: The proposed Project does not qualify for an applicable exemption under CEQA.

Tier 2: Is the project compliant with a greenhouse gas reduction plan that is, at a minimum, consistent with the goals of AB 32?
Does Not Comply: Although the City of Rancho Mirage has an adopted Sustainability Plan which is consistent with AB 32, the Project would not comply with Tier 2 because the Plan is not a CEQA certified document. SCAQMD requires that the "greenhouse gas reduction plan," in this case the Sustainability Plan, have a certified Final CEQA document.

Tier 3: Is the project below an absolute threshold (10,000 MTCO2e/yr for industrial projects; 3,000 MTCO2e/yr for residential and commercial projects)?
Complies: The proposed Project is considered a residential/commercial project and is estimated to generate a net emission of 1,083 MT of CO_2e annually.

Tier 4: Is the project below a (yet to be set) performance threshold?
Does Not Comply: There are currently no performance thresholds applicable to the proposed Project to measure against.

Tier 5: Would the project achieve a screening level with off-site mitigation?
Does Not Comply: Off-site mitigation is not proposed.

[16] Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold, prepared by SCAQMD, October 2008.

Table 10
Greenhouse Gas Emissions Summary

	Existing Conditions MT CO_2e/Yr		Proposed Project MT CO_2e/Yr		Net Diff. MT CO_2e/Yr
	Total	**Per Bed**	**Total**	**Per Bed**	
Construction[1]	--	--	*2,811*	--	*+ 2,635*
Operation	*3,258*	*32.58*	*4,247*	*27.22*	*+ 989 / -5.36*
Amortized Construction Emissions[2]	--	--	*94*	--	*+ 88*
Operation at Buildout plus Amortized Construction Emissions	**3,258**	**32.58**	**4,341**	**27.83**	**+ 1,083**
Exceeds Tier 3 (3,000 MT/yr) Threshold?					**NO**

Source: CalEEMod Version 2016.3.2. See Appendix B for detailed tables. Values shown represent the total unmitigated GHG emission projections for operation of the proposed Project under two scenarios.
1. Construction GHG emissions are the total combined emissions from 2021-2023.
2. Buildout construction GHG emissions were amortized over 30 years then added to buildout operational GHG emissions. 2,811/30 = 94.

As expected, the emission data shows that overall operational emissions associated with the proposed HBFC would be higher than the existing HBFC due to the increased number of beds and facilities, and mobile trips. However, the proposed Project would reduce the HBFC's GHG emissions on a per bed basis from 32.58 $MTCO_2e$/yr to 27.83 $MTCO_2e$/yr due to replacing inefficient buildings with increased building efficiency. This overall GHG reduction also considers the increased fuel economy and GHG standards for passenger vehicles per AB 1493.

As shown in the table above, the HBFC PDP Project would result in the net increase of 1,083 $MTCO_2e$/yr and will not exceed SCAQMD GHG emission thresholds. Therefore, Project impacts related to direct or indirect GHG emissions are considered less than significant.

The Project would not conflict with the goals of executive order S-3-05 or the 40% GHG reduction goal codified through Senate Bill 32 (2016) because it is not considered a "large emitter" of GHGs (25,000 MT CO_2e/year) requiring cap-and-trade regulation per CARB's regulatory measure to help achieve statewide GHG reduction goals. The project is also consistent with regional GHG reduction goals, as they pertain to the Project, by adhering to the required state Low Carbon Fuel Standard for construction equipment and heavy-duty vehicle efficiency standards.

C. Cumulative Impacts

Air Quality

The SSAB is designated as nonattainment under both the CAAQS and the NAAQS for ozone and PM_{10}. Emissions of CO, NOx, and ROG that exceed the SCAQMD operational thresholds would contribute to the ozone nonattainment designation, while emissions of PM_{10} that exceed the SCAQMD thresholds would contribute to the PM_{10} nonattainment designation of the SSAB.

Cumulative potential impacts to air quality are assessed on a regional scale given the dispersing nature of pollutant emissions and aggregate impacts from surrounding jurisdictions and air management districts. Any activity resulting in emissions of PM_{10}, ozone, or ozone precursors will contribute, to some degree, to regional non-attainment designations of ozone and PM_{10}. However, the level of cumulative impact a single project may have on regional air quality is difficult to measure.

The Coachella Valley is subject to the SCAQMD 2016 Air Quality Management Plan and the 2003 PM_{10} Coachella Valley State Implementation Plan (CVSIP) to ensure levels of criteria pollutants are regulated and minimized to the best of the region's ability. The 2016 AQMP has set forth attainment deadlines and future emission level projections for criteria pollutants within the project area, which satisfy Section 15130(b)(1)(B) of the CEQA guidelines for analyzing cumulative impacts. These regional plans provide guidelines and rules for achieving state and federal air quality standards, which aim to reduce cumulative impacts, particularly through the enforcement of SCAQMD daily thresholds and implementation of time-sensitive reduction strategies to achieve attainment status.

Regulation of Ozone

As previously discussed, SCAQMD studies indicate that most ozone is transported to the Salton Sea Air Basin from the upwind sources in the South Coast Air Basin. The amount of ozone contributed from other air basins is difficult to quantify; however, improved air quality in the project area depends upon reduced ozone emissions in the South Coast Air Basin. Therefore, cumulative impacts to ozone are better managed on a multi-region scale as opposed to single projects. The SCAQMD 2016 AQMP provide current and future management and control measures to reduce both stationary and mobile source ozone emissions. Proposed measures to reduce ozone include emission reductions from coatings and solvents, early transitions to cleaner mobile technologies, and incentives to adopt net zero and near zero technologies.[17]

CalEEMod does not calculate ozone emissions directly and therefore emissions of ozone precursors (CO, NOx, and ROG) were evaluated to determine potential Project-related impacts to ozone. Ozone precursors are the primary pollutants involved in the chemical reaction process that forms ozone. The proposed Project will not exceed thresholds for CO, NOx, or ROG during construction or operation. Therefore, cumulative impacts associated with ozone emissions are considered less than significant.

Regulation of PM_{10}

Similar to ozone, PM_{10} is regulated through the SCAQMD 2016 Air Quality Management Plan and 2003 PM_{10} Coachella Valley State Implementation Plan (CVSIP). Additional PM_{10} reduction measures include applicable state code and AQMD Rules, such as Rule 403 (Fugitive Dust), which enforces fugitive dust compliance for all activities within the SSAB. The proposed Project will not exceed local daily thresholds for PM_{10} during construction or operation. Therefore, impacts to PM_{10} are considered less than cumulatively considerable.

[17] Final 2016 Air Quality Management Plan, South Coast Air Quality Management District, 2016.

Greenhouse Gas

The SCAQMD does not currently recommend quantified analyses of construction and/or operational GHG emissions from multiple development projects nor provides methodologies or thresholds of significance to be used to assess the significance of cumulative emissions generated by multiple projects. However, it is recommended that a project's potential contribution to cumulative impacts should be assessed utilizing the same significance criteria as those for project-specific impacts. Furthermore, SCAQMD states that if an individual development project generates less than significant construction or operational emissions, then the development project would not generate a cumulatively considerable increase in emissions for those pollutants for which the Basin is in nonattainment. Amortized construction and operational emissions of the proposed Project would not exceed established SCAQMD thresholds for GHG emissions, therefore, potential cumulative impacts considered less than significant.

D. Conclusions

Development of the Project would not violate State or Federal air quality standards for any criteria pollutant or greenhouse gas. All thresholds are considered less than significant and do not require mitigation measures. The "mitigation measures" provided in Section V are standard requirements that serve to further reduce emissions associated with the proposed Project. Impacts are less than significant.

SECTION IV. PROJECT ALTERNATIVES

A. Alternative A: "Less Intense" Alternative

This alternative provides an opportunity to gauge the effects of the Proposed Project against a less intense development alternative, which results in fewer additional patient beds and less overall square footage. An overall 25% reduction in the intensity of new uses is assumed for this alternative versus the Proposed Project. This alternative also assumes that access to the HBFC campus would continue to be limited to Betty Ford Way within the Eisenhower Medical Center Campus.

Construction Emissions

Similar to the Project, it was assumed that Alternative A would be built out in three phases over the course of four years. For analysis purposes, construction of the entire project, including all components of Alternative A, is assumed to be continuous and will occur over a 2.5-year period starting in early-2021 with buildout in mid-2023.

Alternative A construction data are listed below and have been applied to the CalEEMod software.

- Building demolition: 51,694 square feet (same as proposed Project)
- Grading material net export: 26,217 cubic yards (same as proposed Project)
- Material hauling distance: currently unknown, assumed 20-mile radius (same as proposed Project)
- Project-specific construction equipment list (same as proposed Project, see Appendix B)
- Construction of new residential halls, day care facilities, and amenities: 123 beds, 101,000 square feet. (less intense than proposed Project)
- New asphalt and concrete: 87,129 square feet. (same as proposed Project)

The following table describes pollutant emissions during construction of Alternative A. Data represent maximum daily emissions expected over the 2.5-year buildout period.

Table 11
Construction Emissions Summary - Alternative A
(lbs./day)

	CO	NO_x	ROG	SO_x	PM_{10}	$PM_{2.5}$
Max. Daily Emissions[1]	91	25	37	0	4	2
SCAQMD Threshold[2]	**550**	**100**	**75**	**150**	**150**	**55**
Exceeds Threshold	**No**	**No**	**No**	**No**	**No**	**No**

Source: CalEEMod Version 2016.3.2. See Appendix A for detailed tables. Value shown represents the average emissions of summer and winter outputs (rounded numbers).
1. Emissions with adherence to standard dust control measures and SCAQMD requirements for Tier 4 engines and low VOC/ROG coatings.
2. Source: "SCAQMD Air Quality Significance Thresholds" prepared by SCAQMD.

As shown in the table above, SCAQMD daily thresholds for CO, NO_x, ROG, SOx, PM_{10} and $PM_{2.5}$ will not be exceeded during construction of Alternative A.

Similar to the proposed Project, adherence to standard dust control measures and SCAQMD requirements for Tier 4 engines and low VOC/ROG coatings (AQ-1, -3, and -4) will ensure impacts will be less than significant.

Operational Emissions

Operational emissions are those released over the long-term life of the project. They include emissions generated by area, energy, and mobile sources. Area sources include consumable products, such as building maintenance and cleaning supplies, kitchen and restroom supplies, pavement off-gassing, and periodic reapplication of architectural coatings. Energy sources include the direct and indirect use of fossil fuels for energy, including natural gas and electricity use in buildings, parking lot lighting, ventilation equipment, and elevators. Mobile emissions are generated by motor vehicle trips.

Buildout of Alternative A is anticipated to occur in late 2024. The following project data was applied to the CalEEMod software to determine operational emissions.

- New residential halls, day care facilities, and amenities: 123 beds, 101,000 square feet. (less intense than proposed Project)
- Office/administration/conference space: 49,677 square feet (same as proposed Project)
- Traffic trip rate: Hospital daily trip rate based on 12/11/19 traffic counts; Office daily trip rate based on Traffic Report, ITE 10th Edition. Hospital = 8.87 trips per bed; Office = 9.74 trip per 1,000 square feet. (same as proposed Project)

The following table identifies the operational criteria pollutant emissions of the existing HBFC versus Alternative A. The difference in emission projections provides the overall net impacts of the renovations and expansion of the HBFC per Alternative A. As shown in the table, Alternative A-generated operational emissions will not exceed SCAQMD thresholds for any criteria pollutant, and impacts will be less than significant.

Table 12
Operational Emissions Summary - Alternative A
(lbs./day)

	CO	**NO_x**	**ROG**	**SO_x**	**PM_{10}**	**$PM_{2.5}$**
Existing Operation	*39*	*31*	*8*	*0*	*8*	*2*
Alternative A Operation	*34*	*25*	*7*	*0*	*9*	*3*
Net Difference	**-5**	**-6**	**-1**	**0**	**+1**	**+1**
SCAQMD Threshold*	**550**	**100**	**75**	**150**	**150**	**55**
Exceeds Threshold	**No**	**No**	**No**	**No**	**No**	**No**

Source: CalEEMod Version 2016.3.2. See Appendix A for detailed tables. Value shown represents the average emissions of summer and winter outputs.
* Source: "SCAQMD Air Quality Significance Thresholds" prepared by SCAQMD.

Sensitive Receptors

Similar to the proposed Project, the LST Mass Rate Look-Up tables for SRA 30 at a distance of 25 meters were used to determine if Alternative A would have the potential to generate significant adverse localized air quality impacts during construction.

The following table shows that LST thresholds are not expected to be exceeded for any criteria pollutant during construction. Because the proposed land uses under Alternative A do not include major stationary polluters (such as a landfill, chemical plant, oil field, refineries, etc.), LST analysis was not conducted or required for operation. Therefore, impacts to sensitive receptors from construction of Alternative A will be less than significant.

Table 13
Localized Significance Thresholds - Alternative A
(lbs./day)

	CO	NO_x	PM_{10}	$PM_{2.5}$
Construction	91	25	4	2
LST Threshold	2,292	304	14	8
Exceed?	No	No	No	No

Source of Emission Data: CalEEMod Version 2016.3.2, see Appendix B.
Source of LST Threshold: LST Mass Rate Look-up Table, 25 meters, 5 acres, SCAQMD.

Odors

Similar to the proposed Project, Alterative A has the potential to result in short-term odors associated with operation of heavy equipment during grading, excavation, and other construction activities. However, construction-related odors would be temporary and quickly dispersed below detectable levels as distance from the construction area increases. During operation, odors may be emitted from residential kitchens; however, all existing and proposed facilities would be equipped with proper ventilation systems to effectively remove grease, smoke, and other odors. Similar to the proposed Project, potential odors associated with Alternative A will be further reduced through implementation of Mitigation Measure AQ-2, which requires nuisance odor abatement per SCAQMD Rule 402. Impacts associated with odors will be less than significant. Alternative A is not expected to result in other emissions adversely affecting a substantial number of people.

Greenhouse Gas Emissions

Construction and Operation

Buildout of Alternative A is anticipated to occur in late 2024. The following project data was applied to the CalEEMod software to determine operational emissions.

- New residential halls, day care facilities, and amenities: 23 new beds, 18,661 square feet of new day treatment facility (total of 123 beds, 101,000 square feet of treatment/office/amenities when combined with existing uses) (less intense than proposed Project)

- Office/administration/conference space: 49,677 square feet (same as proposed Project)
- Traffic trip rate: Hospital daily trip rate based on 12/11/19 traffic counts and Project Traffic Report; Office daily trip rate based on Traffic Report, ITE 10th Edition. Hospital = 8.87 trips per bed; Office = 9.74 trip per 1,000 square feet. (same as proposed Project)

Similar to the proposed Project, Alternative A GHG emissions were analyzed against the SCAQMD "tiered" test for determining GHG thresholds:

Tier 1: Is there an applicable exemption?
Does Not Comply: Alternative A does not qualify for an applicable exemption under CEQA.

Tier 2: Is the project compliant with a greenhouse gas reduction plan that is, at a minimum, consistent with the goals of AB 32?
Does Not Comply: Although the City of Rancho Mirage has an adopted Sustainability Plan which is consistent with AB 32, Alternative A would not comply with Tier 2 because the Plan is not a CEQA certified document. SCAQMD requires that the "greenhouse gas reduction plan," in this case the Sustainability Plan, have a certified Final CEQA document.

Tier 3: Is the project below an absolute threshold (10,000 MTCO2e/yr for industrial projects; 3,000 MTCO2e/yr for residential and commercial projects)?
Complies: Alternative A is considered a residential/commercial project and is estimated to generate a net emission of 393 MT of CO_2e annually.

Tier 4: Is the project below a (yet to be set) performance threshold?
Does Not Comply: There are currently no performance thresholds applicable to Alternative A to measure against.

Tier 5: Would the project achieve a screening level with off-site mitigation?
Does Not Comply: Off-site mitigation is not proposed.

Table 14
Alternative A Greenhouse Gas Emissions Summary

	Existing Conditions	**Proposed Project MT CO_2e/Yr**	**Alternative A MT CO_2e/Yr**
Construction[1]	--	*2,811*	*2,787*
Operation	--	*4,247*	*3,558*
Amortized Construction Emissions[2]	--	*94*	*93*
Operation at Buildout plus Amortized Construction Emissions	**3,258**	**4,341**	**3,651**
Tier 3 (3,000 MT/yr) Threshold			**+393 (Net Alt. A vs Existing Conditions)**

Source: CalEEMod Version 2016.3.2. See Appendix A for detailed tables. Values shown represent the total unmitigated GHG emission projections for operation of the proposed Project under two scenarios.
1. Construction GHG emissions are the total combined emissions from 2021-2023.
2. Buildout construction GHG emissions were amortized over 30 years then added to buildout operational GHG emissions. 2,811/30 = 94; 2,787/30 =93

The emission data shows that overall operational emissions associated with Alternative A would be slightly higher than existing conditions due to the higher number of beds and mobile trips, as expected. Overall, Alternative A emissions would be lower than the proposed Project emissions due to the "less intense" nature of buildout. As shown in the table above, Alternative A would result in the net increase of 393 $MTCO_2e$/yr and will not exceed SCAQMD GHG emission thresholds. Therefore, Alternative A impacts related to direct or indirect GHG emissions are considered less than significant.

Findings

Development of Alternative A would not violate State or Federal air quality standards or substantially contribute to an existing air quality violation in the Salton Sea Air Basin, nor will it conflict with or obstruct implementation of the SCAQMD Air Quality Management Plan or applicable GHG reduction plans. Alternative A will not create objectionable odors affecting a substantial number of people. The project is not of local air quality concern and will not result in a CO or PM_{10} hotspots.

Alternative A will adhere to all regulatory requirements to assure that air pollutant emissions generated by the subject undertaking are minimized. Furthermore, the recommendations set forth in Section V are designed to limit air pollutant emissions resulting from Alternative A. As such, Alternative A would have a less than significant impact to air quality.

B. Alternative B: "More Intense" Alternative

This alternative allows the gauging of effects of a greater intensification of the proposed land use, which results in a greater increase in the number of patient beds and an overall increase in square footage compared to the Proposed Project. An overall 50% increase in the intensity of new uses is assumed for this alternative. This alternative also assumes that primary access to the HBFC campus would be from Visa Del Sol, as with the Proposed Project. Accessible secondary/emergency/delivery access would be limited to Betty Ford Way within the Eisenhower Medical Center Campus.

Alternative B would make more effective use of the substantial land area within the HBFC campus and could result in better economies of scale when compared to the proposed Project or Alternative A. HBFC might realize enhanced operational efficiencies from a larger facility as well.

Construction Emissions

Similar to the Project, it was assumed that Alternative B would be built out in three phases over the course of four years. For analysis purposes, construction of the entire project, including all components of Alternative B, is assumed to be continuous and will occur over a 2.5-year period starting in early-2021 with buildout in mid-2023.

Alternative B construction data are listed below and have been applied to the CalEEMod software.

- Building demolition: 51,694 square feet (same as proposed Project)
- Grading material net export: 26,217 cubic yards (same as proposed Project)

- Material hauling distance: currently unknown, assumed 20-mile radius (same as proposed Project)
- Project-specific construction equipment list (same as proposed Project, see Appendix B)
- Construction of new residential halls, day care facilities, and amenities: 224 beds, 159,761 square feet. (more intense than proposed Project)
- New asphalt and concrete, including both on-site and improvements along Vista Del Sol: 87,129 square feet. (same as proposed Project)

The following table describes pollutant emissions during construction of Alternative B. Data represent maximum daily emissions expected over the 2.5-year buildout period.

Table 15
Construction Emissions Summary - Alternative B
(lbs./day)

	CO	NO_x	ROG	SO_x	PM_{10}	$PM_{2.5}$
Max. Daily Emissions[1]	93	26	51	0	4	2
SCAQMD Threshold[2]	**550**	**100**	**75**	**150**	**150**	**55**
Exceeds Threshold	**No**	**No**	**No**	**No**	**No**	**No**

Source: CalEEMod Version 2016.3.2. See Appendix A for detailed tables. Value shown represents the average emissions of summer and winter outputs (rounded numbers).
1. Emissions with adherence to standard dust control measures and SCAQMD requirements for Tier 4 engines and low VOC/ROG coatings.
2. Source: "SCAQMD Air Quality Significance Thresholds" prepared by SCAQMD.

As shown in the table above, SCAQMD daily thresholds for CO, NO_x, ROG, SOx, PM_{10} and $PM_{2.5}$ will not be exceeded during construction of Alternative B. Similar to the proposed Project, adherence to standard dust control measures and SCAQMD requirements for Tier 4 engines and low VOC/ROG coatings (AQ-1, -3, and -4) will ensure impacts will be less than significant.

Operational Emissions

Buildout of Alternative B is anticipated to occur in late 2024. The following project data was applied to the CalEEMod software to determine operational emissions.

- New residential halls, day care facilities, and amenities: 224 beds, 159,761 square feet. (more intense than proposed Project)
- Office/administration/conference space: 49,677 square feet (same as proposed Project)
- Traffic trip rate: Hospital daily trip rate based on 12/11/19 traffic counts; Office daily trip rate based on Traffic Report, ITE 10th Edition. Hospital = 8.87 trips per bed; Office = 9.74 trip per 1,000 square feet. (same as proposed Project)

The following table identifies the operational criteria pollutant emissions of the existing HBFC versus Alternative B. The difference in emission projections provides the overall net impacts of the renovations and expansion of the HBFC per Alternative B. As shown in the table, Alternative B-generated operational emissions will not exceed SCAQMD thresholds for any criteria pollutant, and impacts will be less than significant.

Table 16
Operational Emissions Summary - Alternative B
(lbs./day)

	CO	NO_x	ROG	SO_x	PM_{10}	$PM_{2.5}$
Existing Operation	*39*	*31*	*8*	*0*	*8*	*2*
Alternative B Operation	*56*	*39*	*10*	*0*	*15*	*4*
Net Difference	**+17**	**+8**	**+2**	**0**	**+7**	**+2**
SCAQMD Threshold*	**550**	**100**	**75**	**150**	**150**	**55**
Exceeds Threshold	**No**	**No**	**No**	**No**	**No**	**No**

Source: CalEEMod Version 2016.3.2. See Appendix A for detailed tables. Value shown represents the average emissions of summer and winter outputs.
* Source: "SCAQMD Air Quality Significance Thresholds" prepared by SCAQMD.

Sensitive Receptors

Similar to the proposed Project, the LST Mass Rate Look-Up tables for SRA 30 at a distance of 25 meters were used to determine if Alternative B would have the potential to generate significant adverse localized air quality impacts during construction.

The following table shows that LST thresholds are not expected to be exceeded for any criteria pollutant during construction. Because the proposed land uses under Alternative B do not include major stationary polluters (such as a landfill, chemical plant, oil field, refineries, etc.), LST analysis was not conducted or required for operation. Therefore, impacts to sensitive receptors from construction of Alternative B will be less than significant.

Table 17
Localized Significance Thresholds - Alternative B
(lbs./day)

	CO	NO_x	PM_{10}	$PM_{2.5}$
Construction	93	26	4	2
LST Threshold	2,292	304	14	8
Exceed?	No	No	No	No

Source of Emission Data: CalEEMod Version 2016.3.2, see Appendix C.
Source of LST Threshold: LST Mass Rate Look-up Table, 25 meters, 5 acres, SCAQMD.

Odors

Similar to the proposed Project, Alterative B has the potential to result in short-term odors associated with operation of heavy equipment during grading, excavation, and other construction activities. However, construction-related odors would be temporary and quickly dispersed below detectable levels as distance from the construction area increases. During operation, odors may be emitted from residential kitchens; however, all existing and proposed facilities would be equipped with proper ventilation systems to effectively remove grease, smoke, and other odors. Similar to the proposed Project, potential odors associated with Alternative B will be further reduced through

implementation of Mitigation Measure AQ-2, which requires nuisance odor abatement per SCAQMD Rule 402. Impacts associated with odors will be less than significant. Alternative B is not expected to result in other emissions adversely affecting a substantial number of people.

Greenhouse Gas Emissions

Construction and Operational Emissions

Buildout of Alternative B is anticipated to occur in late 2024.The following project data was applied to the CalEEMod software to determine operational emissions.

- New residential halls, day care facilities, and amenities: 224 beds, 30,922 square feet. (more intense than proposed Project)
- Office/administration/conference space: 49,677 square feet (same as proposed Project)
- Traffic trip rate: Hospital daily trip rate based on 12/11/19 traffic counts and Project Traffic Report; Office daily trip rate based on Traffic Report, ITE 10th Edition. Hospital = 8.87 trips per bed; Office = 9.74 trip per 1,000 square feet. (same as proposed Project)

Similar to the proposed Project, Alternative B GHG emissions were analyzed against the SCAQMD "tiered" test for determining GHG thresholds:

Tier 1: Is there an applicable exemption?
Does Not Comply: Alternative B does not qualify for an applicable exemption under CEQA.

Tier 2: Is the project compliant with a greenhouse gas reduction plan that is, at a minimum, consistent with the goals of AB 32?
Does Not Comply: Although the City of Rancho Mirage has an adopted Sustainability Plan which is consistent with AB 32, Alternative B would not comply with Tier 2 because the Plan is not a CEQA certified document. SCAQMD requires that the "greenhouse gas reduction plan," in this case the Sustainability Plan, have a certified Final CEQA document.

Tier 3: Is the project below an absolute threshold (10,000 MTCO2e/yr for industrial projects; 3,000 MTCO2e/yr for residential and commercial projects)?
Complies: Alternative B is considered a residential/commercial project and is estimated to generate a net emission increase of 2,498 MT of CO_2e annually.

Tier 4: Is the project below a (yet to be set) performance threshold?
Does Not Comply: There are currently no performance thresholds applicable to Alternative B to measure against.

Tier 5: Would the project achieve a screening level with off-site mitigation?
Does Not Comply: Off-site mitigation is not proposed.

Table 18
Alternative B Greenhouse Gas Emissions Summary

	Existing Conditions	Proposed Project MT CO_2e/Yr	Alternative B MT CO_2e/Yr
Construction[1]	--	*2,811*	*2,864*
Operation	--	*4,247*	*5,660*
Amortized Construction Emissions[2]	--	*94*	96
Operation at Buildout plus Amortized Construction Emissions	**3,258**	**4,341**	**5,756**
Tier 3 (3,000 MT/yr) Threshold			**+2,498 (Net Alt. B vs Existing Conditions)**

Source: CalEEMod Version 2016.3.2. See Appendix A for detailed tables. Values shown represent the total unmitigated GHG emission projections for operation of the proposed Project under two scenarios.
1. Construction GHG emissions are the total combined emissions from 2021-2023.
2. Buildout construction GHG emissions were amortized over 30 years then added to buildout operational GHG emissions. 2,811/30 = 94; 2,864/30 = 96

The emission data shows that overall operational emissions associated with Alternative B would be higher than existing conditions and the proposed Project due to the higher number of beds and mobile trips, as expected. As shown in the table above, Alternative B would result in the net increase of 2,498 $MTCO_2e$/yr from existing conditions, however it will not exceed SCAQMD GHG emission thresholds. Therefore, Alternative B impacts related to direct or indirect GHG emissions are considered less than significant.

Findings

Development of Alternative B would not violate State or Federal air quality standards or substantially contribute to an existing air quality violation in the Salton Sea Air Basin, nor will it conflict with or obstruct implementation of the SCAQMD Air Quality Management Plan or applicable GHG reduction plans. Alternative B will not create objectionable odors affecting a substantial number of people. The project is not of local air quality concern and will not result in a CO or PM_{10} hotspots.

Alternative B will adhere to all regulatory requirements to assure that air pollutant emissions generated by the subject undertaking are minimized. Furthermore, the recommendations set forth in Section V are designed to limit air pollutant emissions resulting from Alternative B. As such, Alternative B would have a less than significant impact to air quality.

C. Alternative C: "No Project" Alternative

The No Project alternative would maintain the status quo on the subject property. The overall intensity of development and operations would remain largely as they exist today. Sole HBFC campus access would continue to be via John Sinn Road and the internal

EMC roadway network. Emergency/secondary access would also be limited to that currently available from within the EMC campus, rather than from an adjoining public street. Currently vacant HBFC lands between Vista Del Sol and the developed portion of the subject property would remain so, and roadway and parkway improvements associated with Proposed Project and Alternative 2 would not be constructed and would remain as they are today. Importantly, the level of services available at the HBFC campus would be limited to today's capacity and facilities.

Construction and Operational Emissions

Under Alternative C, the existing HBFC campus would continue to operate under current conditions. There would be no net increase in temporary or permanent air quality impacts. While typical operations currently produce area, mobile, and energy emissions, these emissions would not increase or be considered cumulatively considerable under Alternative C. Therefore, there will be no new emissions and impacts will be less than significant.

Sensitive Receptors

Under Alternative C, there would be no construction impacts and the existing land uses do not include major stationary polluters (such as a landfill, chemical plant, oil field, refineries, etc.). Therefore, there will be no impacts to sensitive receptors.

Odors

Under Alternative C, there would be no expansion project and the HBFC campus would remain as is. There would be no increase in construction or operational activities that would result in odors or other emissions that could adversely affect a substantial number of people.

Greenhouse Gas Emissions

Under Alternative C, existing conditions would remain and there would be no increase in GHG emissions. The existing HBFC campus would continue to operate as usual, and the vacant 6-acre lot to the east would remain vacant. Therefore, Alternative C would result in no impacts related to direct or indirect GHG emissions.

Conclusion

Development of Alternative C would not violate State or Federal air quality standards or substantially contribute to an existing air quality violation in the Salton Sea Air Basin, nor will it conflict with or obstruct implementation of the SCAQMD Air Quality Management Plan or applicable GHG reduction plans. Alternative C will not create objectionable odors affecting a substantial number of people. The project is not of local air quality concern and will not result in a CO or PM_{10} hotspots.

Alternative C will adhere to all regulatory requirements to assure that air pollutant emissions generated by the subject undertaking are minimized. As such, Alternative C would have a less than significant impact to air quality.

SECTION V. AIR QUALITY MITIGATION MEASURES

Neither construction nor operation of the proposed Project would result in significant impacts requiring mitigation measures. The following standard requirements identified by SCAQMD serve to reduce construction-related air emissions, and will be applied to the Project.

AQ-1 Dust Control Plan: SCAQMD Rule 403.1
SCAQMD Rule 403 (403.1 specific to the Coachella Valley): A Dust Control Plan shall be prepared and implemented by all contractors during all construction activities, including ground disturbance, grubbing, grading, and materials import and export. Said plan shall include but not be limited to the following best management practices:

- Treated and stabilized soil where activity will cease for at least four consecutive days;
- All construction grading operations and earth moving operations shall cease when winds exceed 25 miles per hour;
- Water site and equipment morning and evening and during all earth-moving operations;
- Operate street-sweepers on impacted paved roads adjacent to site;
- Establish and strictly enforce limits of grading for each phase of construction;
- Wash off trucks as they leave the project site to control fugitive dust emissions
- Cover all transported loads of soils, wet materials prior to transport, provide freeboard (space from the top of the material to the top of the truck) to reduce PM_{10} and deposition of particulate matter during transportation
- Use track-out reduction measures such as gravel pads at project access points to minimize dust and mud deposits on roads affected by construction traffic.

AQ-2 SCAQMD Rule 402: The project shall adhere to nuisance odor abatement requirement.

AQ-3 SCAQMD Rule 1113 (Architectural Coatings): All application of architectural coatings shall adhere to Rule 1113 requiring the use of low VOC coatings.

AQ-4 Tier 4 Off-Road Emission Standards: requires that all construction equipment meet or exceed the California Air Resources Board (CARB) and U.S. Environmental Protection Agency (USEPA) Tier 4 off-road emissions standards for equipment rated at 50 horsepower or greater during Project construction.

DOCUMENTS REFERENCED

1. "Final 2016 Air Quality Management Plan," prepared by South Coast Air Quality Management District, 2016.

2. "CEQA Air Quality Handbook," prepared by South Coast Air Quality Management District, April 1993.

3. "Final Localized Significance Threshold Methodology, prepared by the South Coast Air Quality Management District, Revised, July 2008.

4. "South Coast Air Quality Management District Rules and Regulations," adopted February 4, 1977.

5. "Annual Air Quality Site Monitoring Reports," prepared by the South Coast Air Quality Management District.

6. "The California Almanac of Emissions and Air Quality, 2006 Edition," California Air Resources Board, Planning and Technical Support Division, March 2006.

7. "Climate Change 2007: The Physical Science Basis," Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change, edited by S. Solomon, D. Qin, and M. Manning, April 2007.

8. "Working Group III Contribution to the Intergovernmental Panel on Climate Change Fourth Assessment Report, Climate Change 2007: Mitigation of Climate Change," prepared by the Intergovernmental Panel on Climate Change, May 2007.

9. "2003 Coachella Valley PM10 State Implementation Plan," August 1, 2003.

APPENDIX A

"Hazelden Betty Ford Center Air Emission Outputs,"

CalEEMod, Version 2016.3.2

prepared by

Terra Nova Planning & Research, Inc.,

March 2020.

Betty Ford Center, Existing Conditions

Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	43.27	1000sqft	1.22	43,268.00	0
Hospital	100.00	Bed	25.00	93,932.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Existing HBFC built in 1980's.

Land Use - Existing operational conditions for HBFC, 100 beds total. Total SF = 137,200.

Construction Phase - Construction not analyzed for existing conditions.

Off-road Equipment - Construction not analyzed for existing conditions.

Trips and VMT - Construction emissions not analyzed for existing conditions.

Vehicle Trips - Hospital daily trip rate based on 12/11/19 traffic counts; Office daily trip rate based on Traffic Report, ITE 10th Edition.

Road Dust - All roads are currently paved.

Landscape Equipment - Project is located in a desert environment with higher than average temperature.

Energy Use -

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	250
tblAreaCoating	Area_EF_Nonresidential_Interior	150	250
tblAreaCoating	Area_EF_Residential_Exterior	100	250
tblAreaCoating	Area_EF_Residential_Interior	100	250
tblLandUse	LandUseSquareFeet	43,270.00	43,268.00
tblLandUse	LandUseSquareFeet	71,575.76	93,932.00
tblLandUse	LotAcreage	0.99	1.22
tblLandUse	LotAcreage	1.64	25.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	12.94	8.87

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.6949	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5600e-003	2.5600e-003	1.0000e-005	0.0000	2.7300e-003
Energy	0.0391	0.3551	0.2983	2.1300e-003		0.0270	0.0270		0.0270	0.0270	0.0000	1,069.3919	1,069.3919	0.0356	0.0129	1,074.1319
Mobile	0.5287	4.7768	5.7362	0.0204	1.2012	0.0189	1.2201	0.3227	0.0178	0.3406	0.0000	1,897.9490	1,897.9490	0.1394	0.0000	1,901.4348
Waste						0.0000	0.0000		0.0000	0.0000	67.4417	0.0000	67.4417	3.9857	0.0000	167.0840
Water						0.0000	0.0000		0.0000	0.0000	5.2892	91.9091	97.1984	0.5471	0.0136	114.9311
Total	**1.2627**	**5.1319**	**6.0358**	**0.0226**	**1.2012**	**0.0459**	**1.2471**	**0.3227**	**0.0448**	**0.3675**	**72.7310**	**3,059.2526**	**3,131.9835**	**4.7078**	**0.0265**	**3,257.5845**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.6949	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5600e-003	2.5600e-003	1.0000e-005	0.0000	2.7300e-003
Energy	0.0391	0.3551	0.2983	2.1300e-003		0.0270	0.0270		0.0270	0.0270	0.0000	1,069.3919	1,069.3919	0.0356	0.0129	1,074.1319
Mobile	0.5287	4.7768	5.7362	0.0204	1.2012	0.0189	1.2201	0.3227	0.0178	0.3406	0.0000	1,897.9490	1,897.9490	0.1394	0.0000	1,901.4348
Waste						0.0000	0.0000		0.0000	0.0000	67.4417	0.0000	67.4417	3.9857	0.0000	167.0840
Water						0.0000	0.0000		0.0000	0.0000	5.2892	91.9091	97.1984	0.5471	0.0136	114.9311
Total	**1.2627**	**5.1319**	**6.0358**	**0.0226**	**1.2012**	**0.0459**	**1.2471**	**0.3227**	**0.0448**	**0.3675**	**72.7310**	**3,059.2526**	**3,131.9835**	**4.7078**	**0.0265**	**3,257.5845**

	ROG	NOx	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**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/29/2020	3/10/2020	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

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

3.2 Demolition - 2020

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5287	4.7768	5.7362	0.0204	1.2012	0.0189	1.2201	0.3227	0.0178	0.3406	0.0000	1,897.9490	1,897.9490	0.1394	0.0000	1,901.4348
Unmitigated	0.5287	4.7768	5.7362	0.0204	1.2012	0.0189	1.2201	0.3227	0.0178	0.3406	0.0000	1,897.9490	1,897.9490	0.1394	0.0000	1,901.4348

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	421.45	106.44	45.43	688,756	688,756
Hospital	887.00	814.00	719.00	2,414,461	2,414,461
Total	1,308.45	920.44	764.43	3,103,217	3,103,217

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
General Office Building	12.50	4.20	5.40	33.00	48.00	19.00	77	19	4
Hospital	12.50	4.20	5.40	64.90	16.10	19.00	73	25	2

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.485214	0.037386	0.181758	0.128316	0.017019	0.005545	0.021824	0.110355	0.002799	0.001965	0.006105	0.000789	0.000923
Hospital	0.485214	0.037386	0.181758	0.128316	0.017019	0.005545	0.021824	0.110355	0.002799	0.001965	0.006105	0.000789	0.000923

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	682.8306	682.8306	0.0282	5.8300e-003	685.2735
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	682.8306	682.8306	0.0282	5.8300e-003	685.2735
NaturalGas Mitigated	0.0391	0.3551	0.2983	2.1300e-003		0.0270	0.0270		0.0270	0.0270	0.0000	386.5613	386.5613	7.4100e-003	7.0900e-003	388.8584
NaturalGas Unmitigated	0.0391	0.3551	0.2983	2.1300e-003		0.0270	0.0270		0.0270	0.0270	0.0000	386.5613	386.5613	7.4100e-003	7.0900e-003	388.8584

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	150140	8.1000e-004	7.3600e-003	6.1800e-003	4.0000e-005		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004	0.0000	8.0120	8.0120	1.5000e-004	1.5000e-004	8.0597
Hospital	7.09374e+006	0.0383	0.3477	0.2921	2.0900e-003		0.0264	0.0264		0.0264	0.0264	0.0000	378.5492	378.5492	7.2600e-003	6.9400e-003	380.7988
Total		**0.0391**	**0.3551**	**0.2983**	**2.1300e-003**		**0.0270**	**0.0270**		**0.0270**	**0.0270**	**0.0000**	**386.5613**	**386.5613**	**7.4100e-003**	**7.0900e-003**	**388.8584**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	150140	8.1000e-004	7.3600e-003	6.1800e-003	4.0000e-005		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004	0.0000	8.0120	8.0120	1.5000e-004	1.5000e-004	8.0597
Hospital	7.09374e+006	0.0383	0.3477	0.2921	2.0900e-003		0.0264	0.0264		0.0264	0.0264	0.0000	378.5492	378.5492	7.2600e-003	6.9400e-003	380.7988
Total		**0.0391**	**0.3551**	**0.2983**	**2.1300e-003**		**0.0270**	**0.0270**		**0.0270**	**0.0270**	**0.0000**	**386.5613**	**386.5613**	**7.4100e-003**	**7.0900e-003**	**388.8584**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	411911	131.2438	5.4200e-003	1.1200e-003	131.7133
Hospital	1.73117e+006	551.5868	0.0228	4.7100e-003	553.5601
Total		**682.8306**	**0.0282**	**5.8300e-003**	**685.2735**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	411911	131.2438	5.4200e-003	1.1200e-003	131.7133
Hospital	1.73117e+006	551.5868	0.0228	4.7100e-003	553.5601
Total		**682.8306**	**0.0282**	**5.8300e-003**	**685.2735**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6949	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5600e-003	2.5600e-003	1.0000e-005	0.0000	2.7300e-003
Unmitigated	0.6949	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5600e-003	2.5600e-003	1.0000e-005	0.0000	2.7300e-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	0.1590					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5358					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2000e-004	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5600e-003	2.5600e-003	1.0000e-005	0.0000	2.7300e-003
Total	**0.6949**	**1.0000e-005**	**1.3200e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.5600e-003**	**2.5600e-003**	**1.0000e-005**	**0.0000**	**2.7300e-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	0.1590					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5358					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2000e-004	1.0000e-005	1.3200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5600e-003	2.5600e-003	1.0000e-005	0.0000	2.7300e-003
Total	**0.6949**	**1.0000e-005**	**1.3200e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.5600e-003**	**2.5600e-003**	**1.0000e-005**	**0.0000**	**2.7300e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	97.1984	0.5471	0.0136	114.9311
Unmitigated	97.1984	0.5471	0.0136	114.9311

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	7.69054 / 4.71356	51.0316	0.2526	6.3300e-003	59.2336
Hospital	8.98136 / 1.71074	46.1668	0.2945	7.2800e-003	55.6975
Total		**97.1984**	**0.5471**	**0.0136**	**114.9311**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	7.69054 / 4.71356	51.0316	0.2526	6.3300e-003	59.2336
Hospital	8.98136 / 1.71074	46.1668	0.2945	7.2800e-003	55.6975
Total		**97.1984**	**0.5471**	**0.0136**	**114.9311**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	67.4417	3.9857	0.0000	167.0840
Unmitigated	67.4417	3.9857	0.0000	167.0840

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	40.24	8.1684	0.4827	0.0000	20.2368
Hospital	292	59.2734	3.5030	0.0000	146.8472
Total		**67.4417**	**3.9857**	**0.0000**	**167.0840**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	40.24	8.1684	0.4827	0.0000	20.2368
Hospital	292	59.2734	3.5030	0.0000	146.8472
Total		**67.4417**	**3.9857**	**0.0000**	**167.0840**

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

Betty Ford Center, Existing Conditions

Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	43.27	1000sqft	1.22	43,268.00	0
Hospital	100.00	Bed	25.00	93,932.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Existing HBFC built in 1980's.

Land Use - Existing operational conditions for HBFC, 100 beds total. Total SF = 137,200.

Construction Phase - Construction not analyzed for existing conditions.

Off-road Equipment - Construction not analyzed for existing conditions.

Trips and VMT - Construction emissions not analyzed for existing conditions.

Vehicle Trips - Hospital daily trip rate based on 12/11/19 traffic counts; Office daily trip rate based on Traffic Report, ITE 10th Edition.

Road Dust - All roads are currently paved.

Landscape Equipment - Project is located in a desert environment with higher than average temperature.

Energy Use -

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	250
tblAreaCoating	Area_EF_Nonresidential_Interior	150	250
tblAreaCoating	Area_EF_Residential_Exterior	100	250
tblAreaCoating	Area_EF_Residential_Interior	100	250
tblLandUse	LandUseSquareFeet	43,270.00	43,268.00
tblLandUse	LandUseSquareFeet	71,575.76	93,932.00
tblLandUse	LotAcreage	0.99	1.22
tblLandUse	LotAcreage	1.64	25.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	12.94	8.87

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Betty Ford Center, Existing Conditions - Salton Sea Air Basin, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.8086	1.4000e-004	0.0147	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0314	0.0314	8.0000e-005		0.0335
Energy	0.2140	1.9457	1.6344	0.0117		0.1479	0.1479		0.1479	0.1479		2,334.8540	2,334.8540	0.0448	0.0428	2,348.7289
Mobile	3.9588	28.8244	41.1112	0.1316	7.3404	0.1133	7.4538	1.9701	0.1071	2.0772		13,452.7379	13,452.7379	0.9438		13,476.3327
Total	**7.9814**	**30.7703**	**42.7603**	**0.1433**	**7.3404**	**0.2612**	**7.6017**	**1.9701**	**0.2551**	**2.2251**		**15,787.6233**	**15,787.6233**	**0.9886**	**0.0428**	**15,825.0950**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.8086	1.4000e-004	0.0147	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0314	0.0314	8.0000e-005		0.0335
Energy	0.2140	1.9457	1.6344	0.0117		0.1479	0.1479		0.1479	0.1479		2,334.8540	2,334.8540	0.0448	0.0428	2,348.7289
Mobile	3.9588	28.8244	41.1112	0.1316	7.3404	0.1133	7.4538	1.9701	0.1071	2.0772		13,452.7379	13,452.7379	0.9438		13,476.3327
Total	**7.9814**	**30.7703**	**42.7603**	**0.1433**	**7.3404**	**0.2612**	**7.6017**	**1.9701**	**0.2551**	**2.2251**		**15,787.6233**	**15,787.6233**	**0.9886**	**0.0428**	**15,825.0950**

	ROG	NOx	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**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/29/2020	3/10/2020	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

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

3.2 Demolition - 2020

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.9588	28.8244	41.1112	0.1316	7.3404	0.1133	7.4538	1.9701	0.1071	2.0772		13,452.7379	13,452.7379	0.9438		13,476.3327
Unmitigated	3.9588	28.8244	41.1112	0.1316	7.3404	0.1133	7.4538	1.9701	0.1071	2.0772		13,452.7379	13,452.7379	0.9438		13,476.3327

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	421.45	106.44	45.43	688,756	688,756
Hospital	887.00	814.00	719.00	2,414,461	2,414,461
Total	1,308.45	920.44	764.43	3,103,217	3,103,217

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
General Office Building	12.50	4.20	5.40	33.00	48.00	19.00	77	19	4
Hospital	12.50	4.20	5.40	64.90	16.10	19.00	73	25	2

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.485214	0.037386	0.181758	0.128316	0.017019	0.005545	0.021824	0.110355	0.002799	0.001965	0.006105	0.000789	0.000923
Hospital	0.485214	0.037386	0.181758	0.128316	0.017019	0.005545	0.021824	0.110355	0.002799	0.001965	0.006105	0.000789	0.000923

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2140	1.9457	1.6344	0.0117		0.1479	0.1479		0.1479	0.1479		2,334.8540	2,334.8540	0.0448	0.0428	2,348.7289
NaturalGas Unmitigated	0.2140	1.9457	1.6344	0.0117		0.1479	0.1479		0.1479	0.1479		2,334.8540	2,334.8540	0.0448	0.0428	2,348.7289

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	411.342	4.4400e-003	0.0403	0.0339	2.4000e-004		3.0600e-003	3.0600e-003		3.0600e-003	3.0600e-003		48.3932	48.3932	9.3000e-004	8.9000e-004	48.6808
Hospital	19434.9	0.2096	1.9054	1.6005	0.0114		0.1448	0.1448		0.1448	0.1448		2,286.4608	2,286.4608	0.0438	0.0419	2,300.0481
Total		**0.2140**	**1.9457**	**1.6344**	**0.0117**		**0.1479**	**0.1479**		**0.1479**	**0.1479**		**2,334.8540**	**2,334.8540**	**0.0448**	**0.0428**	**2,348.7289**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.411342	4.4400e-003	0.0403	0.0339	2.4000e-004		3.0600e-003	3.0600e-003		3.0600e-003	3.0600e-003		48.3932	48.3932	9.3000e-004	8.9000e-004	48.6808
Hospital	19.4349	0.2096	1.9054	1.6005	0.0114		0.1448	0.1448		0.1448	0.1448		2,286.4608	2,286.4608	0.0438	0.0419	2,300.0481
Total		**0.2140**	**1.9457**	**1.6344**	**0.0117**		**0.1479**	**0.1479**		**0.1479**	**0.1479**		**2,334.8540**	**2,334.8540**	**0.0448**	**0.0428**	**2,348.7289**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.8086	1.4000e-004	0.0147	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0314	0.0314	8.0000e-005		0.0335
Unmitigated	3.8086	1.4000e-004	0.0147	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0314	0.0314	8.0000e-005		0.0335

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	0.8711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.9361					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3800e-003	1.4000e-004	0.0147	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0314	0.0314	8.0000e-005		0.0335
Total	**3.8086**	**1.4000e-004**	**0.0147**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**		**0.0314**	**0.0314**	**8.0000e-005**		**0.0335**

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	0.8711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.9361					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3800e-003	1.4000e-004	0.0147	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0314	0.0314	8.0000e-005		0.0335
Total	**3.8086**	**1.4000e-004**	**0.0147**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**		**0.0314**	**0.0314**	**8.0000e-005**		**0.0335**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

Betty Ford Center, Existing Conditions

Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	43.27	1000sqft	1.22	43,268.00	0
Hospital	100.00	Bed	25.00	93,932.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Existing HBFC built in 1980's.

Land Use - Existing operational conditions for HBFC, 100 beds total. Total SF = 137,200.

Construction Phase - Construction not analyzed for existing conditions.

Off-road Equipment - Construction not analyzed for existing conditions.

Trips and VMT - Construction emissions not analyzed for existing conditions.

Vehicle Trips - Hospital daily trip rate based on 12/11/19 traffic counts; Office daily trip rate based on Traffic Report, ITE 10th Edition.

Road Dust - All roads are currently paved.

Landscape Equipment - Project is located in a desert environment with higher than average temperature.

Energy Use -

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	250
tblAreaCoating	Area_EF_Nonresidential_Interior	150	250
tblAreaCoating	Area_EF_Residential_Exterior	100	250
tblAreaCoating	Area_EF_Residential_Interior	100	250
tblLandUse	LandUseSquareFeet	43,270.00	43,268.00
tblLandUse	LandUseSquareFeet	71,575.76	93,932.00
tblLandUse	LotAcreage	0.99	1.22
tblLandUse	LotAcreage	1.64	25.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	12.94	8.87

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Betty Ford Center, Existing Conditions - Salton Sea Air Basin, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.8086	1.4000e-004	0.0147	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0314	0.0314	8.0000e-005		0.0335
Energy	0.2140	1.9457	1.6344	0.0117		0.1479	0.1479		0.1479	0.1479		2,334.8540	2,334.8540	0.0448	0.0428	2,348.7289
Mobile	2.9241	28.8563	33.1238	0.1178	7.3404	0.1155	7.4559	1.9701	0.1092	2.0793		12,067.3256	12,067.3256	0.9623		12,091.3835
Total	**6.9467**	**30.8022**	**34.7729**	**0.1295**	**7.3404**	**0.2634**	**7.6038**	**1.9701**	**0.2571**	**2.2272**		**14,402.2110**	**14,402.2110**	**1.0072**	**0.0428**	**14,440.1459**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.8086	1.4000e-004	0.0147	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0314	0.0314	8.0000e-005		0.0335
Energy	0.2140	1.9457	1.6344	0.0117		0.1479	0.1479		0.1479	0.1479		2,334.8540	2,334.8540	0.0448	0.0428	2,348.7289
Mobile	2.9241	28.8563	33.1238	0.1178	7.3404	0.1155	7.4559	1.9701	0.1092	2.0793		12,067.3256	12,067.3256	0.9623		12,091.3835
Total	**6.9467**	**30.8022**	**34.7729**	**0.1295**	**7.3404**	**0.2634**	**7.6038**	**1.9701**	**0.2571**	**2.2272**		**14,402.2110**	**14,402.2110**	**1.0072**	**0.0428**	**14,440.1459**

	ROG	NOx	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**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/29/2020	3/10/2020	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

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

3.2 Demolition - 2020

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.9241	28.8563	33.1238	0.1178	7.3404	0.1155	7.4559	1.9701	0.1092	2.0793		12,067.3256	12,067.3256	0.9623		12,091.3835
Unmitigated	2.9241	28.8563	33.1238	0.1178	7.3404	0.1155	7.4559	1.9701	0.1092	2.0793		12,067.3256	12,067.3256	0.9623		12,091.3835

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	421.45	106.44	45.43	688,756	688,756
Hospital	887.00	814.00	719.00	2,414,461	2,414,461
Total	1,308.45	920.44	764.43	3,103,217	3,103,217

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
General Office Building	12.50	4.20	5.40	33.00	48.00	19.00	77	19	4
Hospital	12.50	4.20	5.40	64.90	16.10	19.00	73	25	2

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.485214	0.037386	0.181758	0.128316	0.017019	0.005545	0.021824	0.110355	0.002799	0.001965	0.006105	0.000789	0.000923
Hospital	0.485214	0.037386	0.181758	0.128316	0.017019	0.005545	0.021824	0.110355	0.002799	0.001965	0.006105	0.000789	0.000923

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2140	1.9457	1.6344	0.0117		0.1479	0.1479		0.1479	0.1479		2,334.8540	2,334.8540	0.0448	0.0428	2,348.7289
NaturalGas Unmitigated	0.2140	1.9457	1.6344	0.0117		0.1479	0.1479		0.1479	0.1479		2,334.8540	2,334.8540	0.0448	0.0428	2,348.7289

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	411.342	4.4400e-003	0.0403	0.0339	2.4000e-004		3.0600e-003	3.0600e-003		3.0600e-003	3.0600e-003		48.3932	48.3932	9.3000e-004	8.9000e-004	48.6808
Hospital	19434.9	0.2096	1.9054	1.6005	0.0114		0.1448	0.1448		0.1448	0.1448		2,286.4608	2,286.4608	0.0438	0.0419	2,300.0481
Total		**0.2140**	**1.9457**	**1.6344**	**0.0117**		**0.1479**	**0.1479**		**0.1479**	**0.1479**		**2,334.8540**	**2,334.8540**	**0.0448**	**0.0428**	**2,348.7289**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.411342	4.4400e-003	0.0403	0.0339	2.4000e-004		3.0600e-003	3.0600e-003		3.0600e-003	3.0600e-003		48.3932	48.3932	9.3000e-004	8.9000e-004	48.6808
Hospital	19.4349	0.2096	1.9054	1.6005	0.0114		0.1448	0.1448		0.1448	0.1448		2,286.4608	2,286.4608	0.0438	0.0419	2,300.0481
Total		**0.2140**	**1.9457**	**1.6344**	**0.0117**		**0.1479**	**0.1479**		**0.1479**	**0.1479**		**2,334.8540**	**2,334.8540**	**0.0448**	**0.0428**	**2,348.7289**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.8086	1.4000e-004	0.0147	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0314	0.0314	8.0000e-005		0.0335
Unmitigated	3.8086	1.4000e-004	0.0147	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0314	0.0314	8.0000e-005		0.0335

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	0.8711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.9361					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3800e-003	1.4000e-004	0.0147	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0314	0.0314	8.0000e-005		0.0335
Total	**3.8086**	**1.4000e-004**	**0.0147**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**		**0.0314**	**0.0314**	**8.0000e-005**		**0.0335**

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	0.8711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.9361					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3800e-003	1.4000e-004	0.0147	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0314	0.0314	8.0000e-005		0.0335
Total	**3.8086**	**1.4000e-004**	**0.0147**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**		**0.0314**	**0.0314**	**8.0000e-005**		**0.0335**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

Betty Ford Center, Proposed

Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	49.67	1000sqft	1.14	49,667.00	0
Hospital	156.00	Bed	23.08	120,457.00	0
Other Asphalt Surfaces	53.88	1000sqft	1.24	53,877.00	0
Other Non-Asphalt Surfaces	33.25	1000sqft	0.76	33,252.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Betty Ford Center, Proposed - Salton Sea Air Basin, Annual

Project Characteristics - Assumes a 4 year buildout, starting in 2021 and ending 2024.

Land Use - Proposed remodel, 156 beds total. Total SF = 170,124.

Construction Phase - Project will be developed in phases over a 4 year period. For analysis purposes, it is assumed that buildout would occur in one consective phase for approximately 2.5 years.

Off-road Equipment - Construction equipment provided by project proponent.

Off-road Equipment - Equipment listed provided by project proponent.

Off-road Equipment -

Off-road Equipment - Equipment list provided by project proponent.

Off-road Equipment - Equipment list provided by project proponent.

Off-road Equipment - Equipment list provided by project proponent.

Trips and VMT -

On-road Fugitive Dust - All roads will be paved.

Demolition -

Grading - Import/Export based on preliminary grading plans. Includes removal of concrete/asphalt.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Hospital daily trip rate based on 12/11/19 traffic counts; Office daily trip rate based on Traffic Report, ITE 10th Edition.

Road Dust - All roads will be paved.

Landscape Equipment - Project is located in a desert environment with higher than average temperature.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard/required PM10 control measures per SCAQMD Rule 403.1. All equipment fitted with Tier 4 engines

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	125.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	125.00
tblArchitecturalCoating	EF_Parking	150.00	125.00
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5

Betty Ford Center, Proposed - Salton Sea Air Basin, Annual

tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	35.00	50.00
tblConstructionPhase	NumDays	440.00	450.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	45.00	90.00
tblConstructionPhase	NumDays	35.00	60.00
tblGrading	AcresOfGrading	157.50	30.00
tblGrading	MaterialExported	0.00	26,217.00
tblLandUse	LandUseSquareFeet	49,670.00	49,667.00
tblLandUse	LandUseSquareFeet	111,658.18	120,457.00
tblLandUse	LandUseSquareFeet	53,880.00	53,877.00
tblLandUse	LandUseSquareFeet	33,250.00	33,252.00
tblLandUse	LotAcreage	2.56	23.08
tblOffRoadEquipment	HorsePower	172.00	402.00
tblOffRoadEquipment	LoadFactor	0.42	0.38
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00

tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	12.94	8.87

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	0.8019	7.8856	6.3344	0.0147	0.3098	0.3337	0.6435	0.1156	0.3137	0.4292	0.0000	1,289.6893	1,289.6893	0.2834	0.0000	1,296.7752
2022	0.7642	6.8236	6.8876	0.0145	0.1250	0.2993	0.4242	0.0338	0.2843	0.3181	0.0000	1,255.0933	1,255.0933	0.2568	0.0000	1,261.5120
2023	1.1462	1.2341	1.3844	2.8900e-003	0.0273	0.0534	0.0806	7.3600e-003	0.0508	0.0582	0.0000	251.1316	251.1316	0.0483	0.0000	252.3392
Maximum	**1.1462**	**7.8856**	**6.8876**	**0.0147**	**0.3098**	**0.3337**	**0.6435**	**0.1156**	**0.3137**	**0.4292**	**0.0000**	**1,289.6893**	**1,289.6893**	**0.2834**	**0.0000**	**1,296.7752**

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	0.2156	1.7561	7.2527	0.0147	0.1997	0.0204	0.2201	0.0664	0.0203	0.0867	0.0000	1,289.6881	1,289.6881	0.2834	0.0000	1,296.7740
2022	0.2220	1.8376	7.7776	0.0145	0.1250	0.0197	0.1447	0.0338	0.0196	0.0534	0.0000	1,255.0921	1,255.0921	0.2568	0.0000	1,261.5107
2023	1.0448	0.3342	1.5625	2.8900e-003	0.0273	3.8400e-003	0.0311	7.3600e-003	3.8300e-003	0.0112	0.0000	251.1314	251.1314	0.0483	0.0000	252.3390
Maximum	**1.0448**	**1.8376**	**7.7776**	**0.0147**	**0.1997**	**0.0204**	**0.2201**	**0.0664**	**0.0203**	**0.0867**	**0.0000**	**1,289.6881**	**1,289.6881**	**0.2834**	**0.0000**	**1,296.7740**

Betty Ford Center, Proposed - Salton Sea Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**45.34**	**75.36**	**-13.60**	**0.00**	**23.82**	**93.60**	**65.52**	**31.37**	**93.26**	**81.22**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-1-2021**	**3-31-2021**	1.5601	0.2738
2	**4-1-2021**	**6-30-2021**	1.9431	0.4664
3	**7-1-2021**	**9-30-2021**	2.9380	0.6855
4	**10-1-2021**	**12-31-2021**	2.2310	0.5376
5	**1-1-2022**	**3-31-2022**	1.8748	0.5079
6	**4-1-2022**	**6-30-2022**	1.8989	0.5169
7	**7-1-2022**	**9-30-2022**	1.9198	0.5226
8	**10-1-2022**	**12-31-2022**	1.9164	0.5192
9	**1-1-2023**	**3-31-2023**	2.1986	1.2161
10	**4-1-2023**	**6-30-2023**	0.1696	0.1591
		Highest	2.9380	1.2161

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.7904	2.0000e-005	2.6800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2300e-003	5.2300e-003	1.0000e-005	0.0000	5.5700e-003
Energy	0.0500	0.4544	0.3817	2.7300e-003		0.0345	0.0345		0.0345	0.0345	0.0000	1,352.6433	1,352.6433	0.0449	0.0164	1,358.6523
Mobile	0.5608	4.4730	6.1545	0.0266	1.7632	0.0130	1.7762	0.4735	0.0122	0.4857	0.0000	2,478.2857	2,478.2857	0.1324	0.0000	2,481.5956
Waste						0.0000	0.0000		0.0000	0.0000	101.8426	0.0000	101.8426	6.0187	0.0000	252.3107
Water						0.0000	0.0000		0.0000	0.0000	7.2458	123.3540	130.5998	0.7493	0.0186	154.8828
Total	**1.4011**	**4.9274**	**6.5389**	**0.0293**	**1.7632**	**0.0476**	**1.8107**	**0.4735**	**0.0467**	**0.5202**	**109.0884**	**3,954.2883**	**4,063.3766**	**6.9453**	**0.0350**	**4,247.4469**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.7904	2.0000e-005	2.6800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2300e-003	5.2300e-003	1.0000e-005	0.0000	5.5700e-003
Energy	0.0500	0.4544	0.3817	2.7300e-003		0.0345	0.0345		0.0345	0.0345	0.0000	1,352.6433	1,352.6433	0.0449	0.0164	1,358.6523
Mobile	0.5608	4.4730	6.1545	0.0266	1.7632	0.0130	1.7762	0.4735	0.0122	0.4857	0.0000	2,478.2857	2,478.2857	0.1324	0.0000	2,481.5956
Waste						0.0000	0.0000		0.0000	0.0000	101.8426	0.0000	101.8426	6.0187	0.0000	252.3107
Water						0.0000	0.0000		0.0000	0.0000	7.2458	123.3540	130.5998	0.7493	0.0186	154.8828
Total	**1.4011**	**4.9274**	**6.5389**	**0.0293**	**1.7632**	**0.0476**	**1.8107**	**0.4735**	**0.0467**	**0.5202**	**109.0884**	**3,954.2883**	**4,063.3766**	**6.9453**	**0.0350**	**4,247.4469**

	ROG	NOx	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**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	1 Demolition	Demolition	1/1/2021	3/25/2021	5	60	
2	2 Grading	Grading	3/26/2021	7/29/2021	5	90	
3	3 Building Construction	Building Construction	6/18/2021	3/9/2023	5	450	
4	4 Paving	Paving	7/30/2021	10/21/2021	5	60	
5	5 Architectural Coating	Architectural Coating	2/1/2023	4/11/2023	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 255,186; Non-Residential Outdoor: 85,062; Striped Parking Area: 5,228 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
1 Demolition	Aerial Lifts	2	4.00	63	0.31
1 Demolition	Concrete/Industrial Saws	2	4.00	81	0.73
1 Demolition	Cranes	1	4.00	231	0.29
1 Demolition	Crawler Tractors	1	4.00	212	0.43
1 Demolition	Crushing/Proc. Equipment	1	4.00	85	0.78
1 Demolition	Excavators	2	4.00	158	0.38
1 Demolition	Generator Sets	2	4.00	84	0.74
1 Demolition	Off-Highway Tractors	1	4.00	124	0.44
1 Demolition	Off-Highway Trucks	2	4.00	402	0.38
1 Demolition	Rough Terrain Forklifts	1	4.00	100	0.40
1 Demolition	Rubber Tired Dozers	2	4.00	247	0.40

1 Demolition	Rubber Tired Loaders	2	4.00	203	0.36
1 Demolition	Skid Steer Loaders	2	4.00	65	0.37
1 Demolition	Sweepers/Scrubbers	1	4.00	64	0.46
1 Demolition	Tractors/Loaders/Backhoes	2	4.00	97	0.37
2 Grading	Crawler Tractors	2	4.00	212	0.43
2 Grading	Excavators	2	4.00	158	0.38
2 Grading	Graders	1	4.00	187	0.41
2 Grading	Off-Highway Tractors	1	4.00	124	0.44
2 Grading	Off-Highway Trucks	2	4.00	402	0.38
2 Grading	Rubber Tired Dozers	1	4.00	247	0.40
2 Grading	Rubber Tired Loaders	1	4.00	203	0.36
2 Grading	Scrapers	2	4.00	367	0.48
2 Grading	Tractors/Loaders/Backhoes	2	4.00	97	0.37
3 Building Construction	Aerial Lifts	3	4.00	63	0.31
3 Building Construction	Air Compressors	2	4.00	78	0.48
3 Building Construction	Bore/Drill Rigs	1	4.00	221	0.50
3 Building Construction	Cement and Mortar Mixers	1	4.00	9	0.56
3 Building Construction	Concrete/Industrial Saws	2	4.00	81	0.73
3 Building Construction	Cranes	2	4.00	231	0.29
3 Building Construction	Crawler Tractors	2	4.00	212	0.43
3 Building Construction	Excavators	2	4.00	158	0.38
3 Building Construction	Forklifts	2	4.00	89	0.20
3 Building Construction	Generator Sets	2	4.00	84	0.74
3 Building Construction	Off-Highway Tractors	1	4.00	124	0.44
3 Building Construction	Other Construction Equipment	2	4.00	402	0.38
3 Building Construction	Plate Compactors	2	4.00	8	0.43
3 Building Construction	Pressure Washers	2	4.00	13	0.30

3 Building Construction	Pumps	3	4.00	84	0.74
3 Building Construction	Rollers	1	4.00	80	0.38
3 Building Construction	Rough Terrain Forklifts	2	4.00	100	0.40
3 Building Construction	Skid Steer Loaders	2	4.00	65	0.37
3 Building Construction	Sweepers/Scrubbers	1	4.00	64	0.46
3 Building Construction	Tractors/Loaders/Backhoes	3	4.00	97	0.37
3 Building Construction	Trenchers	2	4.00	78	0.50
3 Building Construction	Welders	3	4.00	46	0.45
3 Building Construction	Welders	3	4.00	46	0.45
4 Paving	Excavators	1	6.00	158	0.38
4 Paving	Graders	1	6.00	187	0.41
4 Paving	Pavers	1	6.00	130	0.42
4 Paving	Paving Equipment	1	6.00	132	0.36
4 Paving	Rollers	1	6.00	80	0.38
5 Architectural Coating	Air Compressors	2	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
1 Demolition	24	60.00	0.00	235.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
2 Grading	14	35.00	0.00	3,277.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
3 Building Construction	46	91.00	42.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
4 Paving	5	13.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
5 Architectural Coating	2	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

3.2 1 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					0.0264	0.0000	0.0264	4.0000e-003	0.0000	4.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1292	1.2818	0.9800	2.0600e-003		0.0590	0.0590		0.0553	0.0553	0.0000	179.6237	179.6237	0.0469	0.0000	180.7960
Total	**0.1292**	**1.2818**	**0.9800**	**2.0600e-003**	**0.0264**	**0.0590**	**0.0854**	**4.0000e-003**	**0.0553**	**0.0593**	**0.0000**	**179.6237**	**179.6237**	**0.0469**	**0.0000**	**180.7960**

3.2 1 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.1000e-004	0.0257	3.5600e-003	9.0000e-005	2.0400e-003	8.0000e-005	2.1100e-003	5.6000e-004	7.0000e-005	6.3000e-004	0.0000	8.5915	8.5915	4.3000e-004	0.0000	8.6021
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5100e-003	6.1500e-003	0.0623	1.4000e-004	0.0149	9.0000e-005	0.0150	3.9500e-003	9.0000e-005	4.0400e-003	0.0000	12.2821	12.2821	5.0000e-004	0.0000	12.2946
Total	**9.1200e-003**	**0.0318**	**0.0658**	**2.3000e-004**	**0.0169**	**1.7000e-004**	**0.0171**	**4.5100e-003**	**1.6000e-004**	**4.6700e-003**	**0.0000**	**20.8735**	**20.8735**	**9.3000e-004**	**0.0000**	**20.8967**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0103	0.0000	0.0103	1.5600e-003	0.0000	1.5600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0260	0.1810	1.1668	2.0600e-003		3.2200e-003	3.2200e-003		3.2200e-003	3.2200e-003	0.0000	179.6235	179.6235	0.0469	0.0000	180.7957
Total	**0.0260**	**0.1810**	**1.1668**	**2.0600e-003**	**0.0103**	**3.2200e-003**	**0.0135**	**1.5600e-003**	**3.2200e-003**	**4.7800e-003**	**0.0000**	**179.6235**	**179.6235**	**0.0469**	**0.0000**	**180.7957**

3.2 1 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.1000e-004	0.0257	3.5600e-003	9.0000e-005	2.0400e-003	8.0000e-005	2.1100e-003	5.6000e-004	7.0000e-005	6.3000e-004	0.0000	8.5915	8.5915	4.3000e-004	0.0000	8.6021
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5100e-003	6.1500e-003	0.0623	1.4000e-004	0.0149	9.0000e-005	0.0150	3.9500e-003	9.0000e-005	4.0400e-003	0.0000	12.2821	12.2821	5.0000e-004	0.0000	12.2946
Total	**9.1200e-003**	**0.0318**	**0.0658**	**2.3000e-004**	**0.0169**	**1.7000e-004**	**0.0171**	**4.5100e-003**	**1.6000e-004**	**4.6700e-003**	**0.0000**	**20.8735**	**20.8735**	**9.3000e-004**	**0.0000**	**20.8967**

3.3 2 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1540	0.0000	0.1540	0.0766	0.0000	0.0766	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1597	1.7389	1.0722	2.5900e-003		0.0708	0.0708		0.0652	0.0652	0.0000	227.4904	227.4904	0.0736	0.0000	229.3298
Total	**0.1597**	**1.7389**	**1.0722**	**2.5900e-003**	**0.1540**	**0.0708**	**0.2249**	**0.0766**	**0.0652**	**0.1418**	**0.0000**	**227.4904**	**227.4904**	**0.0736**	**0.0000**	**229.3298**

3.3 2 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.4600e-003	0.3583	0.0496	1.2600e-003	0.0284	1.0600e-003	0.0295	7.8100e-003	1.0200e-003	8.8200e-003	0.0000	119.8052	119.8052	5.9500e-003	0.0000	119.9540
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4400e-003	5.3800e-003	0.0545	1.2000e-004	0.0130	8.0000e-005	0.0131	3.4600e-003	7.0000e-005	3.5300e-003	0.0000	10.7468	10.7468	4.4000e-004	0.0000	10.7578
Total	**0.0159**	**0.3636**	**0.1041**	**1.3800e-003**	**0.0414**	**1.1400e-003**	**0.0426**	**0.0113**	**1.0900e-003**	**0.0124**	**0.0000**	**130.5520**	**130.5520**	**6.3900e-003**	**0.0000**	**130.7117**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0601	0.0000	0.0601	0.0299	0.0000	0.0299	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0318	0.1378	1.3123	2.5900e-003		4.2400e-003	4.2400e-003		4.2400e-003	4.2400e-003	0.0000	227.4901	227.4901	0.0736	0.0000	229.3295
Total	**0.0318**	**0.1378**	**1.3123**	**2.5900e-003**	**0.0601**	**4.2400e-003**	**0.0643**	**0.0299**	**4.2400e-003**	**0.0341**	**0.0000**	**227.4901**	**227.4901**	**0.0736**	**0.0000**	**229.3295**

3.3 2 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.4600e-003	0.3583	0.0496	1.2600e-003	0.0284	1.0600e-003	0.0295	7.8100e-003	1.0200e-003	8.8200e-003	0.0000	119.8052	119.8052	5.9500e-003	0.0000	119.9540
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4400e-003	5.3800e-003	0.0545	1.2000e-004	0.0130	8.0000e-005	0.0131	3.4600e-003	7.0000e-005	3.5300e-003	0.0000	10.7468	10.7468	4.4000e-004	0.0000	10.7578
Total	**0.0159**	**0.3636**	**0.1041**	**1.3800e-003**	**0.0414**	**1.1400e-003**	**0.0426**	**0.0113**	**1.0900e-003**	**0.0124**	**0.0000**	**130.5520**	**130.5520**	**6.3900e-003**	**0.0000**	**130.7117**

3.4 3 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4166	3.8542	3.5353	6.7000e-003		0.1875	0.1875		0.1781	0.1781	0.0000	574.6049	574.6049	0.1337	0.0000	577.9462
Total	**0.4166**	**3.8542**	**3.5353**	**6.7000e-003**		**0.1875**	**0.1875**		**0.1781**	**0.1781**	**0.0000**	**574.6049**	**574.6049**	**0.1337**	**0.0000**	**577.9462**

3.4 3 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.2300e-003	0.2649	0.0634	6.8000e-004	0.0147	4.8000e-004	0.0152	4.2500e-003	4.6000e-004	4.7100e-003	0.0000	64.2744	64.2744	5.2800e-003	0.0000	64.4064
Worker	0.0303	0.0219	0.2219	4.9000e-004	0.0530	3.3000e-004	0.0534	0.0141	3.0000e-004	0.0144	0.0000	43.7753	43.7753	1.7900e-003	0.0000	43.8200
Total	**0.0386**	**0.2868**	**0.2853**	**1.1700e-003**	**0.0678**	**8.1000e-004**	**0.0686**	**0.0183**	**7.6000e-004**	**0.0191**	**0.0000**	**108.0497**	**108.0497**	**7.0700e-003**	**0.0000**	**108.2264**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0844	0.7259	3.9552	6.7000e-003		9.9600e-003	9.9600e-003		9.9600e-003	9.9600e-003	0.0000	574.6042	574.6042	0.1337	0.0000	577.9456
Total	**0.0844**	**0.7259**	**3.9552**	**6.7000e-003**		**9.9600e-003**	**9.9600e-003**		**9.9600e-003**	**9.9600e-003**	**0.0000**	**574.6042**	**574.6042**	**0.1337**	**0.0000**	**577.9456**

3.4 3 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.2300e-003	0.2649	0.0634	6.8000e-004	0.0147	4.8000e-004	0.0152	4.2500e-003	4.6000e-004	4.7100e-003	0.0000	64.2744	64.2744	5.2800e-003	0.0000	64.4064
Worker	0.0303	0.0219	0.2219	4.9000e-004	0.0530	3.3000e-004	0.0534	0.0141	3.0000e-004	0.0144	0.0000	43.7753	43.7753	1.7900e-003	0.0000	43.8200
Total	**0.0386**	**0.2868**	**0.2853**	**1.1700e-003**	**0.0678**	**8.1000e-004**	**0.0686**	**0.0183**	**7.6000e-004**	**0.0191**	**0.0000**	**108.0497**	**108.0497**	**7.0700e-003**	**0.0000**	**108.2264**

3.4 3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6979	6.3245	6.4033	0.0124		0.2980	0.2980		0.2831	0.2831	0.0000	1,059.8048	1,059.8048	0.2447	0.0000	1,065.9224
Total	**0.6979**	**6.3245**	**6.4033**	**0.0124**		**0.2980**	**0.2980**		**0.2831**	**0.2831**	**0.0000**	**1,059.8048**	**1,059.8048**	**0.2447**	**0.0000**	**1,065.9224**

3.4 3 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0141	0.4623	0.1079	1.2400e-003	0.0272	7.4000e-004	0.0279	7.8300e-003	7.1000e-004	8.5400e-003	0.0000	117.5232	117.5232	9.0400e-003	0.0000	117.7493
Worker	0.0522	0.0368	0.3765	8.6000e-004	0.0978	5.9000e-004	0.0984	0.0260	5.4000e-004	0.0265	0.0000	77.7653	77.7653	3.0000e-003	0.0000	77.8403
Total	**0.0663**	**0.4991**	**0.4843**	**2.1000e-003**	**0.1250**	**1.3300e-003**	**0.1263**	**0.0338**	**1.2500e-003**	**0.0351**	**0.0000**	**195.2885**	**195.2885**	**0.0120**	**0.0000**	**195.5896**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1557	1.3386	7.2933	0.0124		0.0184	0.0184		0.0184	0.0184	0.0000	1,059.8036	1,059.8036	0.2447	0.0000	1,065.9211
Total	**0.1557**	**1.3386**	**7.2933**	**0.0124**		**0.0184**	**0.0184**		**0.0184**	**0.0184**	**0.0000**	**1,059.8036**	**1,059.8036**	**0.2447**	**0.0000**	**1,065.9211**

3.4 3 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0141	0.4623	0.1079	1.2400e-003	0.0272	7.4000e-004	0.0279	7.8300e-003	7.1000e-004	8.5400e-003	0.0000	117.5232	117.5232	9.0400e-003	0.0000	117.7493
Worker	0.0522	0.0368	0.3765	8.6000e-004	0.0978	5.9000e-004	0.0984	0.0260	5.4000e-004	0.0265	0.0000	77.7653	77.7653	3.0000e-003	0.0000	77.8403
Total	**0.0663**	**0.4991**	**0.4843**	**2.1000e-003**	**0.1250**	**1.3300e-003**	**0.1263**	**0.0338**	**1.2500e-003**	**0.0351**	**0.0000**	**195.2885**	**195.2885**	**0.0120**	**0.0000**	**195.5896**

3.4 3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1226	1.0935	1.1974	2.3300e-003		0.0496	0.0496		0.0471	0.0471	0.0000	199.7710	199.7710	0.0457	0.0000	200.9138
Total	**0.1226**	**1.0935**	**1.1974**	**2.3300e-003**		**0.0496**	**0.0496**		**0.0471**	**0.0471**	**0.0000**	**199.7710**	**199.7710**	**0.0457**	**0.0000**	**200.9138**

3.4 3 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0900e-003	0.0679	0.0177	2.3000e-004	5.1200e-003	6.0000e-005	5.1700e-003	1.4800e-003	5.0000e-005	1.5300e-003	0.0000	21.6495	21.6495	1.2100e-003	0.0000	21.6797
Worker	9.2300e-003	6.3500e-003	0.0655	1.6000e-004	0.0184	1.1000e-004	0.0185	4.8900e-003	1.0000e-004	4.9900e-003	0.0000	14.0991	14.0991	5.2000e-004	0.0000	14.1121
Total	**0.0113**	**0.0743**	**0.0832**	**3.9000e-004**	**0.0236**	**1.7000e-004**	**0.0237**	**6.3700e-003**	**1.5000e-004**	**6.5200e-003**	**0.0000**	**35.7486**	**35.7486**	**1.7300e-003**	**0.0000**	**35.7918**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0293	0.2523	1.3745	2.3300e-003		3.4600e-003	3.4600e-003		3.4600e-003	3.4600e-003	0.0000	199.7708	199.7708	0.0457	0.0000	200.9135
Total	**0.0293**	**0.2523**	**1.3745**	**2.3300e-003**		**3.4600e-003**	**3.4600e-003**		**3.4600e-003**	**3.4600e-003**	**0.0000**	**199.7708**	**199.7708**	**0.0457**	**0.0000**	**200.9135**

3.4 3 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0900e-003	0.0679	0.0177	2.3000e-004	5.1200e-003	6.0000e-005	5.1700e-003	1.4800e-003	5.0000e-005	1.5300e-003	0.0000	21.6495	21.6495	1.2100e-003	0.0000	21.6797
Worker	9.2300e-003	6.3500e-003	0.0655	1.6000e-004	0.0184	1.1000e-004	0.0185	4.8900e-003	1.0000e-004	4.9900e-003	0.0000	14.0991	14.0991	5.2000e-004	0.0000	14.1121
Total	**0.0113**	**0.0743**	**0.0832**	**3.9000e-004**	**0.0236**	**1.7000e-004**	**0.0237**	**6.3700e-003**	**1.5000e-004**	**6.5200e-003**	**0.0000**	**35.7486**	**35.7486**	**1.7300e-003**	**0.0000**	**35.7918**

3.5 4 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0295	0.3271	0.2782	5.2000e-004		0.0142	0.0142		0.0131	0.0131	0.0000	45.8340	45.8340	0.0148	0.0000	46.2046
Paving	1.6200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0311**	**0.3271**	**0.2782**	**5.2000e-004**		**0.0142**	**0.0142**		**0.0131**	**0.0131**	**0.0000**	**45.8340**	**45.8340**	**0.0148**	**0.0000**	**46.2046**

3.5 4 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8400e-003	1.3300e-003	0.0135	3.0000e-005	3.2200e-003	2.0000e-005	3.2400e-003	8.6000e-004	2.0000e-005	8.7000e-004	0.0000	2.6611	2.6611	1.1000e-004	0.0000	2.6638
Total	**1.8400e-003**	**1.3300e-003**	**0.0135**	**3.0000e-005**	**3.2200e-003**	**2.0000e-005**	**3.2400e-003**	**8.6000e-004**	**2.0000e-005**	**8.7000e-004**	**0.0000**	**2.6611**	**2.6611**	**1.1000e-004**	**0.0000**	**2.6638**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4100e-003	0.0278	0.3497	5.2000e-004		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	45.8339	45.8339	0.0148	0.0000	46.2045
Paving	1.6200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.0300e-003**	**0.0278**	**0.3497**	**5.2000e-004**		**8.5000e-004**	**8.5000e-004**		**8.5000e-004**	**8.5000e-004**	**0.0000**	**45.8339**	**45.8339**	**0.0148**	**0.0000**	**46.2045**

3.5 4 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8400e-003	1.3300e-003	0.0135	3.0000e-005	3.2200e-003	2.0000e-005	3.2400e-003	8.6000e-004	2.0000e-005	8.7000e-004	0.0000	2.6611	2.6611	1.1000e-004	0.0000	2.6638
Total	**1.8400e-003**	**1.3300e-003**	**0.0135**	**3.0000e-005**	**3.2200e-003**	**2.0000e-005**	**3.2400e-003**	**8.6000e-004**	**2.0000e-005**	**8.7000e-004**	**0.0000**	**2.6611**	**2.6611**	**1.1000e-004**	**0.0000**	**2.6638**

3.6 5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0008					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5800e-003	0.0652	0.0906	1.5000e-004		3.5400e-003	3.5400e-003		3.5400e-003	3.5400e-003	0.0000	12.7663	12.7663	7.6000e-004	0.0000	12.7854
Total	**1.0104**	**0.0652**	**0.0906**	**1.5000e-004**		**3.5400e-003**	**3.5400e-003**		**3.5400e-003**	**3.5400e-003**	**0.0000**	**12.7663**	**12.7663**	**7.6000e-004**	**0.0000**	**12.7854**

3.6 5 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8600e-003	1.2800e-003	0.0132	3.0000e-005	3.7200e-003	2.0000e-005	3.7400e-003	9.9000e-004	2.0000e-005	1.0100e-003	0.0000	2.8458	2.8458	1.0000e-004	0.0000	2.8484
Total	**1.8600e-003**	**1.2800e-003**	**0.0132**	**3.0000e-005**	**3.7200e-003**	**2.0000e-005**	**3.7400e-003**	**9.9000e-004**	**2.0000e-005**	**1.0100e-003**	**0.0000**	**2.8458**	**2.8458**	**1.0000e-004**	**0.0000**	**2.8484**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0008					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4900e-003	6.4400e-003	0.0916	1.5000e-004		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	12.7663	12.7663	7.6000e-004	0.0000	12.7854
Total	**1.0023**	**6.4400e-003**	**0.0916**	**1.5000e-004**		**2.0000e-004**	**2.0000e-004**		**2.0000e-004**	**2.0000e-004**	**0.0000**	**12.7663**	**12.7663**	**7.6000e-004**	**0.0000**	**12.7854**

3.6 5 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8600e-003	1.2800e-003	0.0132	3.0000e-005	3.7200e-003	2.0000e-005	3.7400e-003	9.9000e-004	2.0000e-005	1.0100e-003	0.0000	2.8458	2.8458	1.0000e-004	0.0000	2.8484
Total	**1.8600e-003**	**1.2800e-003**	**0.0132**	**3.0000e-005**	**3.7200e-003**	**2.0000e-005**	**3.7400e-003**	**9.9000e-004**	**2.0000e-005**	**1.0100e-003**	**0.0000**	**2.8458**	**2.8458**	**1.0000e-004**	**0.0000**	**2.8484**

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	0.5608	4.4730	6.1545	0.0266	1.7632	0.0130	1.7762	0.4735	0.0122	0.4857	0.0000	2,478.2857	2,478.2857	0.1324	0.0000	2,481.5956
Unmitigated	0.5608	4.4730	6.1545	0.0266	1.7632	0.0130	1.7762	0.4735	0.0122	0.4857	0.0000	2,478.2857	2,478.2857	0.1324	0.0000	2,481.5956

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	483.79	122.19	52.15	790,629	790,629
Hospital	1,383.72	1,269.84	1121.64	3,766,558	3,766,558
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	1,867.51	1,392.03	1,173.79	4,557,187	4,557,187

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
General Office Building	12.50	4.20	5.40	33.00	48.00	19.00	77	19	4
Hospital	12.50	4.20	5.40	64.90	16.10	19.00	73	25	2
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	12.50	4.20	5.40	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
General Office Building	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Hospital	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Other Asphalt Surfaces	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Other Non-Asphalt Surfaces	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	858.0005	858.0005	0.0354	7.3300e-003	861.0700
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	858.0005	858.0005	0.0354	7.3300e-003	861.0700
NaturalGas Mitigated	0.0500	0.4544	0.3817	2.7300e-003		0.0345	0.0345		0.0345	0.0345	0.0000	494.6429	494.6429	9.4800e-003	9.0700e-003	497.5823
NaturalGas Unmitigated	0.0500	0.4544	0.3817	2.7300e-003		0.0345	0.0345		0.0345	0.0345	0.0000	494.6429	494.6429	9.4800e-003	9.0700e-003	497.5823

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	172344	9.3000e-004	8.4500e-003	7.1000e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	9.1970	9.1970	1.8000e-004	1.7000e-004	9.2516
Hospital	9.09691e+006	0.0491	0.4459	0.3746	2.6800e-003		0.0339	0.0339		0.0339	0.0339	0.0000	485.4459	485.4459	9.3000e-003	8.9000e-003	488.3307
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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		**0.0500**	**0.4544**	**0.3817**	**2.7300e-003**		**0.0345**	**0.0345**		**0.0345**	**0.0345**	**0.0000**	**494.6429**	**494.6429**	**9.4800e-003**	**9.0700e-003**	**497.5823**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	172344	9.3000e-004	8.4500e-003	7.1000e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	9.1970	9.1970	1.8000e-004	1.7000e-004	9.2516
Hospital	9.09691e+006	0.0491	0.4459	0.3746	2.6800e-003		0.0339	0.0339		0.0339	0.0339	0.0000	485.4459	485.4459	9.3000e-003	8.9000e-003	488.3307
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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		**0.0500**	**0.4544**	**0.3817**	**2.7300e-003**		**0.0345**	**0.0345**		**0.0345**	**0.0345**	**0.0000**	**494.6429**	**494.6429**	**9.4800e-003**	**9.0700e-003**	**497.5823**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	472830	150.6537	6.2200e-003	1.2900e-003	151.1927
Hospital	2.22002e+006	707.3467	0.0292	6.0400e-003	709.8773
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**858.0005**	**0.0354**	**7.3300e-003**	**861.0700**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	472830	150.6537	6.2200e-003	1.2900e-003	151.1927
Hospital	2.22002e+006	707.3467	0.0292	6.0400e-003	709.8773
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**858.0005**	**0.0354**	**7.3300e-003**	**861.0700**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7904	2.0000e-005	2.6800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2300e-003	5.2300e-003	1.0000e-005	0.0000	5.5700e-003
Unmitigated	0.7904	2.0000e-005	2.6800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2300e-003	5.2300e-003	1.0000e-005	0.0000	5.5700e-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	0.1201					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6701					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.5000e-004	2.0000e-005	2.6800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2300e-003	5.2300e-003	1.0000e-005	0.0000	5.5700e-003
Total	**0.7904**	**2.0000e-005**	**2.6800e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.2300e-003**	**5.2300e-003**	**1.0000e-005**	**0.0000**	**5.5700e-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	0.1201					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6701					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.5000e-004	2.0000e-005	2.6800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2300e-003	5.2300e-003	1.0000e-005	0.0000	5.5700e-003
Total	**0.7904**	**2.0000e-005**	**2.6800e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.2300e-003**	**5.2300e-003**	**1.0000e-005**	**0.0000**	**5.5700e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	130.5998	0.7493	0.0186	154.8828
Unmitigated	130.5998	0.7493	0.0186	154.8828

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	8.82804 / 5.41073	58.5796	0.2900	7.2700e-003	67.9948
Hospital	14.0109 / 2.66875	72.0202	0.4593	0.0114	86.8881
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**130.5998**	**0.7493**	**0.0186**	**154.8828**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	8.82804 / 5.41073	58.5796	0.2900	7.2700e-003	67.9948
Hospital	14.0109 / 2.66875	72.0202	0.4593	0.0114	86.8881
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**130.5998**	**0.7493**	**0.0186**	**154.8828**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	101.8426	6.0187	0.0000	252.3107
Unmitigated	101.8426	6.0187	0.0000	252.3107

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	46.19	9.3762	0.5541	0.0000	23.2290
Hospital	455.52	92.4664	5.4646	0.0000	229.0817
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**101.8426**	**6.0187**	**0.0000**	**252.3107**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	46.19	9.3762	0.5541	0.0000	23.2290
Hospital	455.52	92.4664	5.4646	0.0000	229.0817
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**101.8426**	**6.0187**	**0.0000**	**252.3107**

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

Betty Ford Center, Proposed

Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	49.67	1000sqft	1.14	49,667.00	0
Hospital	156.00	Bed	23.08	120,457.00	0
Other Asphalt Surfaces	53.88	1000sqft	1.24	53,877.00	0
Other Non-Asphalt Surfaces	33.25	1000sqft	0.76	33,252.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Betty Ford Center, Proposed - Salton Sea Air Basin, Summer

Project Characteristics - Assumes a 4 year buildout, starting in 2021 and ending 2024.

Land Use - Proposed remodel, 156 beds total. Total SF = 170,124.

Construction Phase - Project will be developed in phases over a 4 year period. For analysis purposes, it is assumed that buildout would occur in one consective phase for approximately 2.5 years.

Off-road Equipment - Construction equipment provided by project proponent.

Off-road Equipment - Equipment listed provided by project proponent.

Off-road Equipment -

Off-road Equipment - Equipment list provided by project proponent.

Off-road Equipment - Equipment list provided by project proponent.

Off-road Equipment - Equipment list provided by project proponent.

Trips and VMT -

On-road Fugitive Dust - All roads will be paved.

Demolition -

Grading - Import/Export based on preliminary grading plans. Includes removal of concrete/asphalt.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Hospital daily trip rate based on 12/11/19 traffic counts; Office daily trip rate based on Traffic Report, ITE 10th Edition.

Road Dust - All roads will be paved.

Landscape Equipment - Project is located in a desert environment with higher than average temperature.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard/required PM10 control measures per SCAQMD Rule 403.1. All equipment fitted with Tier 4 engines

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	125.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	125.00
tblArchitecturalCoating	EF_Parking	150.00	125.00
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5

Betty Ford Center, Proposed - Salton Sea Air Basin, Summer

tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	45.00	90.00
tblConstructionPhase	NumDays	440.00	450.00
tblConstructionPhase	NumDays	35.00	60.00
tblConstructionPhase	NumDays	35.00	50.00
tblGrading	AcresOfGrading	157.50	30.00
tblGrading	MaterialExported	0.00	26,217.00
tblLandUse	LandUseSquareFeet	49,670.00	49,667.00
tblLandUse	LandUseSquareFeet	111,658.18	120,457.00
tblLandUse	LandUseSquareFeet	53,880.00	53,877.00
tblLandUse	LandUseSquareFeet	33,250.00	33,252.00
tblLandUse	LotAcreage	2.56	23.08
tblOffRoadEquipment	HorsePower	172.00	402.00
tblOffRoadEquipment	LoadFactor	0.42	0.38
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00

tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	12.94	8.87

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	10.4639	105.2543	81.2822	0.2012	5.3259	4.2707	9.5966	2.2175	4.0090	6.2265	0.0000	19,603.3304	19,603.3304	4.1543	0.0000	19,707.1883
2022	5.9519	52.4762	53.6528	0.1121	0.9723	2.3021	3.2744	0.2627	2.1871	2.4498	0.0000	10,733.7969	10,733.7969	2.1772	0.0000	10,788.2262
2023	46.0376	50.3202	57.1860	0.1189	1.1229	2.1748	3.2977	0.3027	2.0721	2.3748	0.0000	11,386.3360	11,386.3360	2.1742	0.0000	11,440.6912
Maximum	**46.0376**	**105.2543**	**81.2822**	**0.2012**	**5.3259**	**4.2707**	**9.5966**	**2.2175**	**4.0090**	**6.2265**	**0.0000**	**19,603.3304**	**19,603.3304**	**4.1543**	**0.0000**	**19,707.1883**

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	2.9108	25.3005	92.5741	0.2012	3.2381	0.2721	3.5102	1.1793	0.2703	1.4495	0.0000	19,603.3303	19,603.3303	4.1543	0.0000	19,707.1883
2022	1.7811	14.1227	60.4991	0.1121	0.9723	0.1514	1.1237	0.2627	0.1508	0.4135	0.0000	10,733.7969	10,733.7969	2.1772	0.0000	10,788.2262
2023	41.9076	13.6379	64.4564	0.1189	1.1229	0.1567	1.2796	0.3027	0.1562	0.4589	0.0000	11,386.3360	11,386.3360	2.1742	0.0000	11,440.6912
Maximum	**41.9076**	**25.3005**	**92.5741**	**0.2012**	**3.2381**	**0.2721**	**3.5102**	**1.1793**	**0.2703**	**1.4495**	**0.0000**	**19,603.3303**	**19,603.3303**	**4.1543**	**0.0000**	**19,707.1883**

Betty Ford Center, Proposed - Salton Sea Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**25.39**	**74.50**	**-13.23**	**0.00**	**28.13**	**93.37**	**63.43**	**37.31**	**93.02**	**78.99**	**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	4.3323	2.7000e-004	0.0298	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0641	0.0641	1.7000e-004		0.0683
Energy	0.2739	2.4897	2.0914	0.0149		0.1892	0.1892		0.1892	0.1892		2,987.6735	2,987.6735	0.0573	0.0548	3,005.4278
Mobile	4.1651	26.9187	43.7018	0.1688	10.6482	0.0776	10.7258	2.8569	0.0725	2.9294		17,308.5187	17,308.5187	0.8890		17,330.7444
Total	**8.7713**	**29.4087**	**45.8230**	**0.1837**	**10.6482**	**0.2669**	**10.9152**	**2.8569**	**0.2618**	**3.1187**		**20,296.2563**	**20,296.2563**	**0.9465**	**0.0548**	**20,336.2404**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.3323	2.7000e-004	0.0298	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0641	0.0641	1.7000e-004		0.0683
Energy	0.2739	2.4897	2.0914	0.0149		0.1892	0.1892		0.1892	0.1892		2,987.6735	2,987.6735	0.0573	0.0548	3,005.4278
Mobile	4.1651	26.9187	43.7018	0.1688	10.6482	0.0776	10.7258	2.8569	0.0725	2.9294		17,308.5187	17,308.5187	0.8890		17,330.7444
Total	**8.7713**	**29.4087**	**45.8230**	**0.1837**	**10.6482**	**0.2669**	**10.9152**	**2.8569**	**0.2618**	**3.1187**		**20,296.2563**	**20,296.2563**	**0.9465**	**0.0548**	**20,336.2404**

	ROG	NOx	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	1 Demolition	Demolition	1/1/2021	3/25/2021	5	60	
2	2 Grading	Grading	3/26/2021	7/29/2021	5	90	
3	3 Building Construction	Building Construction	6/18/2021	3/9/2023	5	450	
4	4 Paving	Paving	7/30/2021	10/21/2021	5	60	
5	5 Architectural Coating	Architectural Coating	2/1/2023	4/11/2023	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 255,186; Non-Residential Outdoor: 85,062; Striped Parking Area: 5,228 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
1 Demolition	Aerial Lifts	2	4.00	63	0.31
1 Demolition	Concrete/Industrial Saws	2	4.00	81	0.73
1 Demolition	Cranes	1	4.00	231	0.29
1 Demolition	Crawler Tractors	1	4.00	212	0.43
1 Demolition	Crushing/Proc. Equipment	1	4.00	85	0.78

1 Demolition	Excavators	2	4.00	158	0.38
1 Demolition	Generator Sets	2	4.00	84	0.74
1 Demolition	Off-Highway Tractors	1	4.00	124	0.44
1 Demolition	Off-Highway Trucks	2	4.00	402	0.38
1 Demolition	Rough Terrain Forklifts	1	4.00	100	0.40
1 Demolition	Rubber Tired Dozers	2	4.00	247	0.40
1 Demolition	Rubber Tired Loaders	2	4.00	203	0.36
1 Demolition	Skid Steer Loaders	2	4.00	65	0.37
1 Demolition	Sweepers/Scrubbers	1	4.00	64	0.46
1 Demolition	Tractors/Loaders/Backhoes	2	4.00	97	0.37
2 Grading	Crawler Tractors	2	4.00	212	0.43
2 Grading	Excavators	2	4.00	158	0.38
2 Grading	Graders	1	4.00	187	0.41
2 Grading	Off-Highway Tractors	1	4.00	124	0.44
2 Grading	Off-Highway Trucks	2	4.00	402	0.38
2 Grading	Rubber Tired Dozers	1	4.00	247	0.40
2 Grading	Rubber Tired Loaders	1	4.00	203	0.36
2 Grading	Scrapers	2	4.00	367	0.48
2 Grading	Tractors/Loaders/Backhoes	2	4.00	97	0.37
3 Building Construction	Aerial Lifts	3	4.00	63	0.31
3 Building Construction	Air Compressors	2	4.00	78	0.48
3 Building Construction	Bore/Drill Rigs	1	4.00	221	0.50
3 Building Construction	Cement and Mortar Mixers	1	4.00	9	0.56
3 Building Construction	Concrete/Industrial Saws	2	4.00	81	0.73
3 Building Construction	Cranes	2	4.00	231	0.29
3 Building Construction	Crawler Tractors	2	4.00	212	0.43
3 Building Construction	Excavators	2	4.00	158	0.38

3 Building Construction	Forklifts	2	4.00	89	0.20
3 Building Construction	Generator Sets	2	4.00	84	0.74
3 Building Construction	Off-Highway Tractors	1	4.00	124	0.44
3 Building Construction	Other Construction Equipment	2	4.00	402	0.38
3 Building Construction	Plate Compactors	2	4.00	8	0.43
3 Building Construction	Pressure Washers	2	4.00	13	0.30
3 Building Construction	Pumps	3	4.00	84	0.74
3 Building Construction	Rollers	1	4.00	80	0.38
3 Building Construction	Rough Terrain Forklifts	2	4.00	100	0.40
3 Building Construction	Skid Steer Loaders	2	4.00	65	0.37
3 Building Construction	Sweepers/Scrubbers	1	4.00	64	0.46
3 Building Construction	Tractors/Loaders/Backhoes	3	4.00	97	0.37
3 Building Construction	Trenchers	2	4.00	78	0.50
3 Building Construction	Welders	3	4.00	46	0.45
3 Building Construction	Welders	3	4.00	46	0.45
4 Paving	Excavators	1	6.00	158	0.38
4 Paving	Graders	1	6.00	187	0.41
4 Paving	Pavers	1	6.00	130	0.42
4 Paving	Paving Equipment	1	6.00	132	0.36
4 Paving	Rollers	1	6.00	80	0.38
5 Architectural Coating	Air Compressors	2	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
1 Demolition	24	60.00	0.00	235.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
2 Grading	14	35.00	0.00	3,277.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
3 Building Construction	46	91.00	42.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
4 Paving	5	13.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
5 Architectural Coating	2	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

3.2 1 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					0.8812	0.0000	0.8812	0.1334	0.0000	0.1334			0.0000			0.0000
Off-Road	4.3053	42.7264	32.6659	0.0685		1.9661	1.9661		1.8444	1.8444		6,600.0401	6,600.0401	1.7230		6,643.1140
Total	**4.3053**	**42.7264**	**32.6659**	**0.0685**	**0.8812**	**1.9661**	**2.8473**	**0.1334**	**1.8444**	**1.9778**		**6,600.0401**	**6,600.0401**	**1.7230**		**6,643.1140**

3.2 1 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0197	0.8364	0.1093	3.0400e-003	0.0687	2.5200e-003	0.0712	0.0188	2.4100e-003	0.0212		319.6621	319.6621	0.0149		320.0357
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3372	0.2029	2.5990	5.0200e-003	0.5020	3.0900e-003	0.5051	0.1332	2.8500e-003	0.1360		499.0719	499.0719	0.0214		499.6059
Total	**0.3570**	**1.0393**	**2.7083**	**8.0600e-003**	**0.5707**	**5.6100e-003**	**0.5763**	**0.1520**	**5.2600e-003**	**0.1572**		**818.7340**	**818.7340**	**0.0363**		**819.6416**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.3437	0.0000	0.3437	0.0520	0.0000	0.0520			0.0000			0.0000
Off-Road	0.8656	6.0336	38.8929	0.0685		0.1072	0.1072		0.1072	0.1072	0.0000	6,600.0401	6,600.0401	1.7230		6,643.1140
Total	**0.8656**	**6.0336**	**38.8929**	**0.0685**	**0.3437**	**0.1072**	**0.4509**	**0.0520**	**0.1072**	**0.1592**	**0.0000**	**6,600.0401**	**6,600.0401**	**1.7230**		**6,643.1140**

3.2 1 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0197	0.8364	0.1093	3.0400e-003	0.0687	2.5200e-003	0.0712	0.0188	2.4100e-003	0.0212		319.6621	319.6621	0.0149		320.0357
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3372	0.2029	2.5990	5.0200e-003	0.5020	3.0900e-003	0.5051	0.1332	2.8500e-003	0.1360		499.0719	499.0719	0.0214		499.6059
Total	**0.3570**	**1.0393**	**2.7083**	**8.0600e-003**	**0.5707**	**5.6100e-003**	**0.5763**	**0.1520**	**5.2600e-003**	**0.1572**		**818.7340**	**818.7340**	**0.0363**		**819.6416**

3.3 2 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4226	0.0000	3.4226	1.7021	0.0000	1.7021			0.0000			0.0000
Off-Road	3.5484	38.6429	23.8270	0.0575		1.5742	1.5742		1.4482	1.4482		5,572.5608	5,572.5608	1.8023		5,617.6178
Total	**3.5484**	**38.6429**	**23.8270**	**0.0575**	**3.4226**	**1.5742**	**4.9967**	**1.7021**	**1.4482**	**3.1503**		**5,572.5608**	**5,572.5608**	**1.8023**		**5,617.6178**

3.3 2 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1834	7.7755	1.0165	0.0283	0.6382	0.0235	0.6617	0.1751	0.0224	0.1975		2,971.7237	2,971.7237	0.1389		2,975.1970
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1967	0.1184	1.5161	2.9300e-003	0.2928	1.8000e-003	0.2946	0.0777	1.6600e-003	0.0793		291.1253	291.1253	0.0125		291.4368
Total	**0.3801**	**7.8938**	**2.5326**	**0.0312**	**0.9311**	**0.0253**	**0.9563**	**0.2527**	**0.0241**	**0.2768**		**3,262.8490**	**3,262.8490**	**0.1514**		**3,266.6338**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.3348	0.0000	1.3348	0.6638	0.0000	0.6638			0.0000			0.0000
Off-Road	0.7064	3.0612	29.1620	0.0575		0.0942	0.0942		0.0942	0.0942	0.0000	5,572.5608	5,572.5608	1.8023		5,617.6178
Total	**0.7064**	**3.0612**	**29.1620**	**0.0575**	**1.3348**	**0.0942**	**1.4290**	**0.6638**	**0.0942**	**0.7580**	**0.0000**	**5,572.5608**	**5,572.5608**	**1.8023**		**5,617.6178**

3.3 2 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1834	7.7755	1.0165	0.0283	0.6382	0.0235	0.6617	0.1751	0.0224	0.1975		2,971.7237	2,971.7237	0.1389		2,975.1970
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1967	0.1184	1.5161	2.9300e-003	0.2928	1.8000e-003	0.2946	0.0777	1.6600e-003	0.0793		291.1253	291.1253	0.0125		291.4368
Total	**0.3801**	**7.8938**	**2.5326**	**0.0312**	**0.9311**	**0.0253**	**0.9563**	**0.2527**	**0.0241**	**0.2768**		**3,262.8490**	**3,262.8490**	**0.1514**		**3,266.6338**

3.4 3 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.9086	54.6687	50.1457	0.0950		2.6599	2.6599		2.5260	2.5260		8,984.3051	8,984.3051	2.0897		9,036.5487
Total	**5.9086**	**54.6687**	**50.1457**	**0.0950**		**2.6599**	**2.6599**		**2.5260**	**2.5260**		**8,984.3051**	**8,984.3051**	**2.0897**		**9,036.5487**

3.4 3 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1153	3.7411	0.8351	9.8100e-003	0.2109	6.6400e-003	0.2176	0.0608	6.3500e-003	0.0671		1,026.6897	1,026.6897	0.0785		1,028.6525
Worker	0.5115	0.3077	3.9418	7.6200e-003	0.7614	4.6900e-003	0.7661	0.2020	4.3200e-003	0.2063		756.9258	756.9258	0.0324		757.7356
Total	**0.6268**	**4.0488**	**4.7769**	**0.0174**	**0.9723**	**0.0113**	**0.9836**	**0.2627**	**0.0107**	**0.2734**		**1,783.6154**	**1,783.6154**	**0.1109**		**1,786.3881**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1975	10.2966	56.1026	0.0950		0.1413	0.1413		0.1413	0.1413	0.0000	8,984.3051	8,984.3051	2.0897		9,036.5487
Total	**1.1975**	**10.2966**	**56.1026**	**0.0950**		**0.1413**	**0.1413**		**0.1413**	**0.1413**	**0.0000**	**8,984.3051**	**8,984.3051**	**2.0897**		**9,036.5487**

3.4 3 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1153	3.7411	0.8351	9.8100e-003	0.2109	6.6400e-003	0.2176	0.0608	6.3500e-003	0.0671		1,026.6897	1,026.6897	0.0785		1,028.6525
Worker	0.5115	0.3077	3.9418	7.6200e-003	0.7614	4.6900e-003	0.7661	0.2020	4.3200e-003	0.2063		756.9258	756.9258	0.0324		757.7356
Total	**0.6268**	**4.0488**	**4.7769**	**0.0174**	**0.9723**	**0.0113**	**0.9836**	**0.2627**	**0.0107**	**0.2734**		**1,783.6154**	**1,783.6154**	**0.1109**		**1,786.3881**

3.4 3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.3682	48.6502	49.2563	0.0950		2.2920	2.2920		2.1776	2.1776		8,986.4219	8,986.4219	2.0749		9,038.2944
Total	**5.3682**	**48.6502**	**49.2563**	**0.0950**		**2.2920**	**2.2920**		**2.1776**	**2.1776**		**8,986.4219**	**8,986.4219**	**2.0749**		**9,038.2944**

3.4 3 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1070	3.5456	0.7681	9.7200e-003	0.2109	5.5600e-003	0.2165	0.0608	5.3200e-003	0.0661		1,018.1982	1,018.1982	0.0729		1,020.0195
Worker	0.4766	0.2804	3.6284	7.3400e-003	0.7614	4.5400e-003	0.7659	0.2020	4.1800e-003	0.2061		729.1768	729.1768	0.0294		729.9123
Total	**0.5836**	**3.8261**	**4.3965**	**0.0171**	**0.9723**	**0.0101**	**0.9824**	**0.2627**	**9.5000e-003**	**0.2722**		**1,747.3750**	**1,747.3750**	**0.1023**		**1,749.9318**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1975	10.2966	56.1026	0.0950		0.1413	0.1413		0.1413	0.1413	0.0000	8,986.4219	8,986.4219	2.0749		9,038.2944
Total	**1.1975**	**10.2966**	**56.1026**	**0.0950**		**0.1413**	**0.1413**		**0.1413**	**0.1413**	**0.0000**	**8,986.4219**	**8,986.4219**	**2.0749**		**9,038.2944**

3.4 3 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1070	3.5456	0.7681	9.7200e-003	0.2109	5.5600e-003	0.2165	0.0608	5.3200e-003	0.0661		1,018.1982	1,018.1982	0.0729		1,020.0195
Worker	0.4766	0.2804	3.6284	7.3400e-003	0.7614	4.5400e-003	0.7659	0.2020	4.1800e-003	0.2061		729.1768	729.1768	0.0294		729.9123
Total	**0.5836**	**3.8261**	**4.3965**	**0.0171**	**0.9723**	**0.0101**	**0.9824**	**0.2627**	**9.5000e-003**	**0.2722**		**1,747.3750**	**1,747.3750**	**0.1023**		**1,749.9318**

3.4 3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.0036	44.6304	48.8748	0.0950		2.0257	2.0257		1.9235	1.9235		8,988.1568	8,988.1568	2.0566		9,039.5715
Total	**5.0036**	**44.6304**	**48.8748**	**0.0950**		**2.0257**	**2.0257**		**1.9235**	**1.9235**		**8,988.1568**	**8,988.1568**	**2.0566**		**9,039.5715**

3.4 3 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0846	2.7763	0.6760	9.5000e-003	0.2109	2.2100e-003	0.2131	0.0608	2.1100e-003	0.0629		995.0952	995.0952	0.0519		996.3916
Worker	0.4458	0.2567	3.3503	7.0600e-003	0.7614	4.4100e-003	0.7658	0.2020	4.0600e-003	0.2060		701.4412	701.4412	0.0268		702.1110
Total	**0.5305**	**3.0330**	**4.0263**	**0.0166**	**0.9723**	**6.6200e-003**	**0.9789**	**0.2627**	**6.1700e-003**	**0.2689**		**1,696.5365**	**1,696.5365**	**0.0787**		**1,698.5026**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1975	10.2966	56.1026	0.0950		0.1413	0.1413		0.1413	0.1413	0.0000	8,988.1568	8,988.1568	2.0566		9,039.5715
Total	**1.1975**	**10.2966**	**56.1026**	**0.0950**		**0.1413**	**0.1413**		**0.1413**	**0.1413**	**0.0000**	**8,988.1568**	**8,988.1568**	**2.0566**		**9,039.5715**

3.4 3 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0846	2.7763	0.6760	9.5000e-003	0.2109	2.2100e-003	0.2131	0.0608	2.1100e-003	0.0629		995.0952	995.0952	0.0519		996.3916
Worker	0.4458	0.2567	3.3503	7.0600e-003	0.7614	4.4100e-003	0.7658	0.2020	4.0600e-003	0.2060		701.4412	701.4412	0.0268		702.1110
Total	**0.5305**	**3.0330**	**4.0263**	**0.0166**	**0.9723**	**6.6200e-003**	**0.9789**	**0.2627**	**6.1700e-003**	**0.2689**		**1,696.5365**	**1,696.5365**	**0.0787**		**1,698.5026**

3.5 4 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9825	10.9031	9.2742	0.0174		0.4733	0.4733		0.4354	0.4354		1,684.1111	1,684.1111	0.5447		1,697.7280
Paving	0.0542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0366**	**10.9031**	**9.2742**	**0.0174**		**0.4733**	**0.4733**		**0.4354**	**0.4354**		**1,684.1111**	**1,684.1111**	**0.5447**		**1,697.7280**

3.5 4 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0731	0.0440	0.5631	1.0900e-003	0.1088	6.7000e-004	0.1094	0.0289	6.2000e-004	0.0295		108.1323	108.1323	4.6300e-003		108.2479
Total	**0.0731**	**0.0440**	**0.5631**	**1.0900e-003**	**0.1088**	**6.7000e-004**	**0.1094**	**0.0289**	**6.2000e-004**	**0.0295**		**108.1323**	**108.1323**	**4.6300e-003**		**108.2479**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2137	0.9259	11.6556	0.0174		0.0285	0.0285		0.0285	0.0285	0.0000	1,684.1111	1,684.1111	0.5447		1,697.7280
Paving	0.0542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.2678**	**0.9259**	**11.6556**	**0.0174**		**0.0285**	**0.0285**		**0.0285**	**0.0285**	**0.0000**	**1,684.1111**	**1,684.1111**	**0.5447**		**1,697.7280**

3.5 4 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0731	0.0440	0.5631	1.0900e-003	0.1088	6.7000e-004	0.1094	0.0289	6.2000e-004	0.0295		108.1323	108.1323	4.6300e-003		108.2479
Total	**0.0731**	**0.0440**	**0.5631**	**1.0900e-003**	**0.1088**	**6.7000e-004**	**0.1094**	**0.0289**	**6.2000e-004**	**0.0295**		**108.1323**	**108.1323**	**4.6300e-003**		**108.2479**

3.6 5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	40.0320					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3833	2.6060	3.6222	5.9400e-003		0.1416	0.1416		0.1416	0.1416		562.8961	562.8961	0.0337		563.7380
Total	**40.4154**	**2.6060**	**3.6222**	**5.9400e-003**		**0.1416**	**0.1416**		**0.1416**	**0.1416**		**562.8961**	**562.8961**	**0.0337**		**563.7380**

3.6 5 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0882	0.0508	0.6627	1.4000e-003	0.1506	8.7000e-004	0.1515	0.0400	8.0000e-004	0.0408		138.7466	138.7466	5.3000e-003		138.8791
Total	**0.0882**	**0.0508**	**0.6627**	**1.4000e-003**	**0.1506**	**8.7000e-004**	**0.1515**	**0.0400**	**8.0000e-004**	**0.0408**		**138.7466**	**138.7466**	**5.3000e-003**		**138.8791**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	40.0320					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0337		563.7380
Total	**40.0915**	**0.2575**	**3.6648**	**5.9400e-003**		**7.9200e-003**	**7.9200e-003**		**7.9200e-003**	**7.9200e-003**	**0.0000**	**562.8961**	**562.8961**	**0.0337**		**563.7380**

3.6 5 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0882	0.0508	0.6627	1.4000e-003	0.1506	8.7000e-004	0.1515	0.0400	8.0000e-004	0.0408		138.7466	138.7466	5.3000e-003		138.8791
Total	**0.0882**	**0.0508**	**0.6627**	**1.4000e-003**	**0.1506**	**8.7000e-004**	**0.1515**	**0.0400**	**8.0000e-004**	**0.0408**		**138.7466**	**138.7466**	**5.3000e-003**		**138.8791**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.1651	26.9187	43.7018	0.1688	10.6482	0.0776	10.7258	2.8569	0.0725	2.9294		17,308.5187	17,308.5187	0.8890		17,330.7444
Unmitigated	4.1651	26.9187	43.7018	0.1688	10.6482	0.0776	10.7258	2.8569	0.0725	2.9294		17,308.5187	17,308.5187	0.8890		17,330.7444

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	483.79	122.19	52.15	790,629	790,629
Hospital	1,383.72	1,269.84	1121.64	3,766,558	3,766,558
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	1,867.51	1,392.03	1,173.79	4,557,187	4,557,187

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
General Office Building	12.50	4.20	5.40	33.00	48.00	19.00	77	19	4
Hospital	12.50	4.20	5.40	64.90	16.10	19.00	73	25	2
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	12.50	4.20	5.40	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
General Office Building	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Hospital	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Other Asphalt Surfaces	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Other Non-Asphalt Surfaces	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2739	2.4897	2.0914	0.0149		0.1892	0.1892		0.1892	0.1892		2,987.6735	2,987.6735	0.0573	0.0548	3,005.4278
NaturalGas Unmitigated	0.2739	2.4897	2.0914	0.0149		0.1892	0.1892		0.1892	0.1892		2,987.6735	2,987.6735	0.0573	0.0548	3,005.4278

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	472.177	5.0900e-003	0.0463	0.0389	2.8000e-004		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003		55.5502	55.5502	1.0600e-003	1.0200e-003	55.8803
Hospital	24923	0.2688	2.4434	2.0525	0.0147		0.1857	0.1857		0.1857	0.1857		2,932.1233	2,932.1233	0.0562	0.0538	2,949.5475
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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		**0.2739**	**2.4897**	**2.0914**	**0.0149**		**0.1892**	**0.1892**		**0.1892**	**0.1892**		**2,987.6735**	**2,987.6735**	**0.0573**	**0.0548**	**3,005.4278**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.472177	5.0900e-003	0.0463	0.0389	2.8000e-004		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003		55.5502	55.5502	1.0600e-003	1.0200e-003	55.8803
Hospital	24.923	0.2688	2.4434	2.0525	0.0147		0.1857	0.1857		0.1857	0.1857		2,932.1233	2,932.1233	0.0562	0.0538	2,949.5475
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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		**0.2739**	**2.4897**	**2.0914**	**0.0149**		**0.1892**	**0.1892**		**0.1892**	**0.1892**		**2,987.6735**	**2,987.6735**	**0.0573**	**0.0548**	**3,005.4278**

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	4.3323	2.7000e-004	0.0298	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0641	0.0641	1.7000e-004		0.0683
Unmitigated	4.3323	2.7000e-004	0.0298	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0641	0.0641	1.7000e-004		0.0683

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	0.6581					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6715					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.7500e-003	2.7000e-004	0.0298	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0641	0.0641	1.7000e-004		0.0683
Total	**4.3323**	**2.7000e-004**	**0.0298**	**0.0000**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**		**0.0641**	**0.0641**	**1.7000e-004**		**0.0683**

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	0.6581					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6715					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.7500e-003	2.7000e-004	0.0298	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0641	0.0641	1.7000e-004		0.0683
Total	**4.3323**	**2.7000e-004**	**0.0298**	**0.0000**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**		**0.0641**	**0.0641**	**1.7000e-004**		**0.0683**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

Betty Ford Center, Proposed

Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	49.67	1000sqft	1.14	49,667.00	0
Hospital	156.00	Bed	23.08	120,457.00	0
Other Asphalt Surfaces	53.88	1000sqft	1.24	53,877.00	0
Other Non-Asphalt Surfaces	33.25	1000sqft	0.76	33,252.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Betty Ford Center, Proposed - Salton Sea Air Basin, Winter

Project Characteristics - Assumes a 4 year buildout, starting in 2021 and ending 2024.

Land Use - Proposed remodel, 156 beds total. Total SF = 170,124.

Construction Phase - Project will be developed in phases over a 4 year period. For analysis purposes, it is assumed that buildout would occur in one consective phase for approximately 2.5 years.

Off-road Equipment - Construction equipment provided by project proponent.

Off-road Equipment - Equipment listed provided by project proponent.

Off-road Equipment -

Off-road Equipment - Equipment list provided by project proponent.

Off-road Equipment - Equipment list provided by project proponent.

Off-road Equipment - Equipment list provided by project proponent.

Trips and VMT -

On-road Fugitive Dust - All roads will be paved.

Demolition -

Grading - Import/Export based on preliminary grading plans. Includes removal of concrete/asphalt.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Hospital daily trip rate based on 12/11/19 traffic counts; Office daily trip rate based on Traffic Report, ITE 10th Edition.

Road Dust - All roads will be paved.

Landscape Equipment - Project is located in a desert environment with higher than average temperature.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard/required PM10 control measures per SCAQMD Rule 403.1. All equipment fitted with Tier 4 engines

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	125.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	125.00
tblArchitecturalCoating	EF_Parking	150.00	125.00
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5

Betty Ford Center, Proposed - Salton Sea Air Basin, Winter

tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	45.00	90.00
tblConstructionPhase	NumDays	440.00	450.00
tblConstructionPhase	NumDays	35.00	60.00
tblConstructionPhase	NumDays	35.00	50.00
tblGrading	AcresOfGrading	157.50	30.00
tblGrading	MaterialExported	0.00	26,217.00
tblLandUse	LandUseSquareFeet	49,670.00	49,667.00
tblLandUse	LandUseSquareFeet	111,658.18	120,457.00
tblLandUse	LandUseSquareFeet	53,880.00	53,877.00
tblLandUse	LandUseSquareFeet	33,250.00	33,252.00
tblLandUse	LotAcreage	2.56	23.08
tblOffRoadEquipment	HorsePower	172.00	402.00
tblOffRoadEquipment	LoadFactor	0.42	0.38
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00

tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	12.94	8.87

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	10.3592	105.3648	80.0915	0.1981	5.3259	4.2714	9.5974	2.2175	4.0097	6.2273	0.0000	19,296.0989	19,296.0989	4.1713	0.0000	19,400.3818
2022	5.8778	52.4478	52.7654	0.1104	0.9723	2.3024	3.2747	0.2627	2.1874	2.4501	0.0000	10,565.7502	10,565.7502	2.1804	0.0000	10,620.2600
2023	45.9541	50.2890	56.1431	0.1171	1.1229	2.1749	3.2978	0.3027	2.0722	2.3749	0.0000	11,202.1782	11,202.1782	2.1741	0.0000	11,256.5301
Maximum	**45.9541**	**105.3648**	**80.0915**	**0.1981**	**5.3259**	**4.2714**	**9.5974**	**2.2175**	**4.0097**	**6.2273**	**0.0000**	**19,296.0989**	**19,296.0989**	**4.1713**	**0.0000**	**19,400.3818**

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	2.8061	25.4110	91.3835	0.1981	3.2381	0.2729	3.5110	1.1793	0.2710	1.4503	0.0000	19,296.0989	19,296.0989	4.1713	0.0000	19,400.3818
2022	1.7071	14.0942	59.6117	0.1104	0.9723	0.1517	1.1240	0.2627	0.1511	0.4138	0.0000	10,565.7502	10,565.7502	2.1804	0.0000	10,620.2600
2023	41.8241	13.6067	63.4136	0.1171	1.1229	0.1568	1.2797	0.3027	0.1563	0.4589	0.0000	11,202.1782	11,202.1782	2.1741	0.0000	11,256.5301
Maximum	**41.8241**	**25.4110**	**91.3835**	**0.1981**	**3.2381**	**0.2729**	**3.5110**	**1.1793**	**0.2710**	**1.4503**	**0.0000**	**19,296.0989**	**19,296.0989**	**4.1713**	**0.0000**	**19,400.3818**

Betty Ford Center, Proposed - Salton Sea Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**25.49**	**74.48**	**-13.44**	**0.00**	**28.13**	**93.35**	**63.42**	**37.31**	**93.01**	**78.98**	**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	4.3323	2.7000e-004	0.0298	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0641	0.0641	1.7000e-004		0.0683
Energy	0.2739	2.4897	2.0914	0.0149		0.1892	0.1892		0.1892	0.1892		2,987.6735	2,987.6735	0.0573	0.0548	3,005.4278
Mobile	3.0322	26.6666	34.7912	0.1518	10.6482	0.0783	10.7265	2.8569	0.0731	2.9300		15,592.6596	15,592.6596	0.8949		15,615.0315
Total	**7.6384**	**29.1566**	**36.9124**	**0.1667**	**10.6482**	**0.2676**	**10.9159**	**2.8569**	**0.2625**	**3.1194**		**18,580.3972**	**18,580.3972**	**0.9523**	**0.0548**	**18,620.5275**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.3323	2.7000e-004	0.0298	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0641	0.0641	1.7000e-004		0.0683
Energy	0.2739	2.4897	2.0914	0.0149		0.1892	0.1892		0.1892	0.1892		2,987.6735	2,987.6735	0.0573	0.0548	3,005.4278
Mobile	3.0322	26.6666	34.7912	0.1518	10.6482	0.0783	10.7265	2.8569	0.0731	2.9300		15,592.6596	15,592.6596	0.8949		15,615.0315
Total	**7.6384**	**29.1566**	**36.9124**	**0.1667**	**10.6482**	**0.2676**	**10.9159**	**2.8569**	**0.2625**	**3.1194**		**18,580.3972**	**18,580.3972**	**0.9523**	**0.0548**	**18,620.5275**

	ROG	NOx	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**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	1 Demolition	Demolition	1/1/2021	3/25/2021	5	60	
2	2 Grading	Grading	3/26/2021	7/29/2021	5	90	
3	3 Building Construction	Building Construction	6/18/2021	3/9/2023	5	450	
4	4 Paving	Paving	7/30/2021	10/21/2021	5	60	
5	5 Architectural Coating	Architectural Coating	2/1/2023	4/11/2023	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 255,186; Non-Residential Outdoor: 85,062; Striped Parking Area: 5,228 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
1 Demolition	Aerial Lifts	2	4.00	63	0.31
1 Demolition	Concrete/Industrial Saws	2	4.00	81	0.73
1 Demolition	Cranes	1	4.00	231	0.29
1 Demolition	Crawler Tractors	1	4.00	212	0.43
1 Demolition	Crushing/Proc. Equipment	1	4.00	85	0.78

1 Demolition	Excavators	2	4.00	158	0.38
1 Demolition	Generator Sets	2	4.00	84	0.74
1 Demolition	Off-Highway Tractors	1	4.00	124	0.44
1 Demolition	Off-Highway Trucks	2	4.00	402	0.38
1 Demolition	Rough Terrain Forklifts	1	4.00	100	0.40
1 Demolition	Rubber Tired Dozers	2	4.00	247	0.40
1 Demolition	Rubber Tired Loaders	2	4.00	203	0.36
1 Demolition	Skid Steer Loaders	2	4.00	65	0.37
1 Demolition	Sweepers/Scrubbers	1	4.00	64	0.46
1 Demolition	Tractors/Loaders/Backhoes	2	4.00	97	0.37
2 Grading	Crawler Tractors	2	4.00	212	0.43
2 Grading	Excavators	2	4.00	158	0.38
2 Grading	Graders	1	4.00	187	0.41
2 Grading	Off-Highway Tractors	1	4.00	124	0.44
2 Grading	Off-Highway Trucks	2	4.00	402	0.38
2 Grading	Rubber Tired Dozers	1	4.00	247	0.40
2 Grading	Rubber Tired Loaders	1	4.00	203	0.36
2 Grading	Scrapers	2	4.00	367	0.48
2 Grading	Tractors/Loaders/Backhoes	2	4.00	97	0.37
3 Building Construction	Aerial Lifts	3	4.00	63	0.31
3 Building Construction	Air Compressors	2	4.00	78	0.48
3 Building Construction	Bore/Drill Rigs	1	4.00	221	0.50
3 Building Construction	Cement and Mortar Mixers	1	4.00	9	0.56
3 Building Construction	Concrete/Industrial Saws	2	4.00	81	0.73
3 Building Construction	Cranes	2	4.00	231	0.29
3 Building Construction	Crawler Tractors	2	4.00	212	0.43
3 Building Construction	Excavators	2	4.00	158	0.38

3 Building Construction	Forklifts	2	4.00	89	0.20
3 Building Construction	Generator Sets	2	4.00	84	0.74
3 Building Construction	Off-Highway Tractors	1	4.00	124	0.44
3 Building Construction	Other Construction Equipment	2	4.00	402	0.38
3 Building Construction	Plate Compactors	2	4.00	8	0.43
3 Building Construction	Pressure Washers	2	4.00	13	0.30
3 Building Construction	Pumps	3	4.00	84	0.74
3 Building Construction	Rollers	1	4.00	80	0.38
3 Building Construction	Rough Terrain Forklifts	2	4.00	100	0.40
3 Building Construction	Skid Steer Loaders	2	4.00	65	0.37
3 Building Construction	Sweepers/Scrubbers	1	4.00	64	0.46
3 Building Construction	Tractors/Loaders/Backhoes	3	4.00	97	0.37
3 Building Construction	Trenchers	2	4.00	78	0.50
3 Building Construction	Welders	3	4.00	46	0.45
3 Building Construction	Welders	3	4.00	46	0.45
4 Paving	Excavators	1	6.00	158	0.38
4 Paving	Graders	1	6.00	187	0.41
4 Paving	Pavers	1	6.00	130	0.42
4 Paving	Paving Equipment	1	6.00	132	0.36
4 Paving	Rollers	1	6.00	80	0.38
5 Architectural Coating	Air Compressors	2	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
1 Demolition	24	60.00	0.00	235.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
2 Grading	14	35.00	0.00	3,277.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
3 Building Construction	46	91.00	42.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
4 Paving	5	13.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
5 Architectural Coating	2	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

3.2 1 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					0.8812	0.0000	0.8812	0.1334	0.0000	0.1334			0.0000			0.0000
Off-Road	4.3053	42.7264	32.6659	0.0685		1.9661	1.9661		1.8444	1.8444		6,600.0401	6,600.0401	1.7230		6,643.1140
Total	**4.3053**	**42.7264**	**32.6659**	**0.0685**	**0.8812**	**1.9661**	**2.8473**	**0.1334**	**1.8444**	**1.9778**		**6,600.0401**	**6,600.0401**	**1.7230**		**6,643.1140**

3.2 1 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0209	0.8502	0.1315	2.9500e-003	0.0687	2.5700e-003	0.0712	0.0188	2.4600e-003	0.0213		310.1862	310.1862	0.0167		310.6042
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2789	0.2089	1.8550	4.2200e-003	0.5020	3.0900e-003	0.5051	0.1332	2.8500e-003	0.1360		419.3453	419.3453	0.0169		419.7680
Total	**0.2999**	**1.0592**	**1.9865**	**7.1700e-003**	**0.5707**	**5.6600e-003**	**0.5763**	**0.1520**	**5.3100e-003**	**0.1573**		**729.5315**	**729.5315**	**0.0336**		**730.3722**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.3437	0.0000	0.3437	0.0520	0.0000	0.0520			0.0000			0.0000
Off-Road	0.8656	6.0336	38.8929	0.0685		0.1072	0.1072		0.1072	0.1072	0.0000	6,600.0401	6,600.0401	1.7230		6,643.1140
Total	**0.8656**	**6.0336**	**38.8929**	**0.0685**	**0.3437**	**0.1072**	**0.4509**	**0.0520**	**0.1072**	**0.1592**	**0.0000**	**6,600.0401**	**6,600.0401**	**1.7230**		**6,643.1140**

3.2 1 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0209	0.8502	0.1315	2.9500e-003	0.0687	2.5700e-003	0.0712	0.0188	2.4600e-003	0.0213		310.1862	310.1862	0.0167		310.6042
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2789	0.2089	1.8550	4.2200e-003	0.5020	3.0900e-003	0.5051	0.1332	2.8500e-003	0.1360		419.3453	419.3453	0.0169		419.7680
Total	**0.2999**	**1.0592**	**1.9865**	**7.1700e-003**	**0.5707**	**5.6600e-003**	**0.5763**	**0.1520**	**5.3100e-003**	**0.1573**		**729.5315**	**729.5315**	**0.0336**		**730.3722**

3.3 2 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4226	0.0000	3.4226	1.7021	0.0000	1.7021			0.0000			0.0000
Off-Road	3.5484	38.6429	23.8270	0.0575		1.5742	1.5742		1.4482	1.4482		5,572.5608	5,572.5608	1.8023		5,617.6178
Total	**3.5484**	**38.6429**	**23.8270**	**0.0575**	**3.4226**	**1.5742**	**4.9967**	**1.7021**	**1.4482**	**3.1503**		**5,572.5608**	**5,572.5608**	**1.8023**		**5,617.6178**

3.3 2 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1945	7.9042	1.2221	0.0274	0.6382	0.0239	0.6621	0.1751	0.0229	0.1980		2,883.6316	2,883.6316	0.1554		2,887.5176
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1627	0.1219	1.0821	2.4600e-003	0.2928	1.8000e-003	0.2946	0.0777	1.6600e-003	0.0793		244.6181	244.6181	9.8600e-003		244.8647
Total	**0.3573**	**8.0261**	**2.3042**	**0.0299**	**0.9311**	**0.0257**	**0.9568**	**0.2527**	**0.0246**	**0.2773**		**3,128.2497**	**3,128.2497**	**0.1653**		**3,132.3823**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.3348	0.0000	1.3348	0.6638	0.0000	0.6638			0.0000			0.0000
Off-Road	0.7064	3.0612	29.1620	0.0575		0.0942	0.0942		0.0942	0.0942	0.0000	5,572.5608	5,572.5608	1.8023		5,617.6178
Total	**0.7064**	**3.0612**	**29.1620**	**0.0575**	**1.3348**	**0.0942**	**1.4290**	**0.6638**	**0.0942**	**0.7580**	**0.0000**	**5,572.5608**	**5,572.5608**	**1.8023**		**5,617.6178**

3.3 2 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1945	7.9042	1.2221	0.0274	0.6382	0.0239	0.6621	0.1751	0.0229	0.1980		2,883.6316	2,883.6316	0.1554		2,887.5176
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1627	0.1219	1.0821	2.4600e-003	0.2928	1.8000e-003	0.2946	0.0777	1.6600e-003	0.0793		244.6181	244.6181	9.8600e-003		244.8647
Total	**0.3573**	**8.0261**	**2.3042**	**0.0299**	**0.9311**	**0.0257**	**0.9568**	**0.2527**	**0.0246**	**0.2773**		**3,128.2497**	**3,128.2497**	**0.1653**		**3,132.3823**

3.4 3 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.9086	54.6687	50.1457	0.0950		2.6599	2.6599		2.5260	2.5260		8,984.3051	8,984.3051	2.0897		9,036.5487
Total	**5.9086**	**54.6687**	**50.1457**	**0.0950**		**2.6599**	**2.6599**		**2.5260**	**2.5260**		**8,984.3051**	**8,984.3051**	**2.0897**		**9,036.5487**

3.4 3 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1219	3.7102	1.0012	9.3100e-003	0.2109	6.9600e-003	0.2179	0.0608	6.6600e-003	0.0674		974.9763	974.9763	0.0883		977.1849
Worker	0.4231	0.3169	2.8135	6.3900e-003	0.7614	4.6900e-003	0.7661	0.2020	4.3200e-003	0.2063		636.0070	636.0070	0.0256		636.6482
Total	**0.5449**	**4.0271**	**3.8146**	**0.0157**	**0.9723**	**0.0117**	**0.9839**	**0.2627**	**0.0110**	**0.2737**		**1,610.9833**	**1,610.9833**	**0.1140**		**1,613.8331**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1975	10.2966	56.1026	0.0950		0.1413	0.1413		0.1413	0.1413	0.0000	8,984.3051	8,984.3051	2.0897		9,036.5487
Total	**1.1975**	**10.2966**	**56.1026**	**0.0950**		**0.1413**	**0.1413**		**0.1413**	**0.1413**	**0.0000**	**8,984.3051**	**8,984.3051**	**2.0897**		**9,036.5487**

3.4 3 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1219	3.7102	1.0012	9.3100e-003	0.2109	6.9600e-003	0.2179	0.0608	6.6600e-003	0.0674		974.9763	974.9763	0.0883		977.1849
Worker	0.4231	0.3169	2.8135	6.3900e-003	0.7614	4.6900e-003	0.7661	0.2020	4.3200e-003	0.2063		636.0070	636.0070	0.0256		636.6482
Total	**0.5449**	**4.0271**	**3.8146**	**0.0157**	**0.9723**	**0.0117**	**0.9839**	**0.2627**	**0.0110**	**0.2737**		**1,610.9833**	**1,610.9833**	**0.1140**		**1,613.8331**

3.4 3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.3682	48.6502	49.2563	0.0950		2.2920	2.2920		2.1776	2.1776		8,986.4219	8,986.4219	2.0749		9,038.2944
Total	**5.3682**	**48.6502**	**49.2563**	**0.0950**		**2.2920**	**2.2920**		**2.1776**	**2.1776**		**8,986.4219**	**8,986.4219**	**2.0749**		**9,038.2944**

3.4 3 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1134	3.5092	0.9257	9.2300e-003	0.2109	5.8600e-003	0.2168	0.0608	5.6000e-003	0.0664		966.5753	966.5753	0.0821		968.6286
Worker	0.3962	0.2884	2.5834	6.1600e-003	0.7614	4.5400e-003	0.7659	0.2020	4.1800e-003	0.2061		612.7530	612.7530	0.0234		613.3371
Total	**0.5096**	**3.7976**	**3.5091**	**0.0154**	**0.9723**	**0.0104**	**0.9827**	**0.2627**	**9.7800e-003**	**0.2725**		**1,579.3283**	**1,579.3283**	**0.1055**		**1,581.9656**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1975	10.2966	56.1026	0.0950		0.1413	0.1413		0.1413	0.1413	0.0000	8,986.4219	8,986.4219	2.0749		9,038.2944
Total	**1.1975**	**10.2966**	**56.1026**	**0.0950**		**0.1413**	**0.1413**		**0.1413**	**0.1413**	**0.0000**	**8,986.4219**	**8,986.4219**	**2.0749**		**9,038.2944**

3.4 3 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1134	3.5092	0.9257	9.2300e-003	0.2109	5.8600e-003	0.2168	0.0608	5.6000e-003	0.0664		966.5753	966.5753	0.0821		968.6286
Worker	0.3962	0.2884	2.5834	6.1600e-003	0.7614	4.5400e-003	0.7659	0.2020	4.1800e-003	0.2061		612.7530	612.7530	0.0234		613.3371
Total	**0.5096**	**3.7976**	**3.5091**	**0.0154**	**0.9723**	**0.0104**	**0.9827**	**0.2627**	**9.7800e-003**	**0.2725**		**1,579.3283**	**1,579.3283**	**0.1055**		**1,581.9656**

3.4 3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.0036	44.6304	48.8748	0.0950		2.0257	2.0257		1.9235	1.9235		8,988.1568	8,988.1568	2.0566		9,039.5715
Total	**5.0036**	**44.6304**	**48.8748**	**0.0950**		**2.0257**	**2.0257**		**1.9235**	**1.9235**		**8,988.1568**	**8,988.1568**	**2.0566**		**9,039.5715**

3.4 3 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0891	2.7367	0.7951	9.0200e-003	0.2109	2.2900e-003	0.2132	0.0608	2.1900e-003	0.0630		945.0073	945.0073	0.0582		946.4633
Worker	0.3724	0.2637	2.3802	5.9200e-003	0.7614	4.4100e-003	0.7658	0.2020	4.0600e-003	0.2060		589.5114	589.5114	0.0214		590.0451
Total	**0.4615**	**3.0005**	**3.1753**	**0.0149**	**0.9723**	**6.7000e-003**	**0.9790**	**0.2627**	**6.2500e-003**	**0.2690**		**1,534.5187**	**1,534.5187**	**0.0796**		**1,536.5084**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1975	10.2966	56.1026	0.0950		0.1413	0.1413		0.1413	0.1413	0.0000	8,988.1568	8,988.1568	2.0566		9,039.5715
Total	**1.1975**	**10.2966**	**56.1026**	**0.0950**		**0.1413**	**0.1413**		**0.1413**	**0.1413**	**0.0000**	**8,988.1568**	**8,988.1568**	**2.0566**		**9,039.5715**

3.4 3 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0891	2.7367	0.7951	9.0200e-003	0.2109	2.2900e-003	0.2132	0.0608	2.1900e-003	0.0630		945.0073	945.0073	0.0582		946.4633
Worker	0.3724	0.2637	2.3802	5.9200e-003	0.7614	4.4100e-003	0.7658	0.2020	4.0600e-003	0.2060		589.5114	589.5114	0.0214		590.0451
Total	**0.4615**	**3.0005**	**3.1753**	**0.0149**	**0.9723**	**6.7000e-003**	**0.9790**	**0.2627**	**6.2500e-003**	**0.2690**		**1,534.5187**	**1,534.5187**	**0.0796**		**1,536.5084**

3.5 4 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9825	10.9031	9.2742	0.0174		0.4733	0.4733		0.4354	0.4354		1,684.1111	1,684.1111	0.5447		1,697.7280
Paving	0.0542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0366**	**10.9031**	**9.2742**	**0.0174**		**0.4733**	**0.4733**		**0.4354**	**0.4354**		**1,684.1111**	**1,684.1111**	**0.5447**		**1,697.7280**

3.5 4 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0604	0.0453	0.4019	9.1000e-004	0.1088	6.7000e-004	0.1094	0.0289	6.2000e-004	0.0295		90.8582	90.8582	3.6600e-003		90.9497
Total	**0.0604**	**0.0453**	**0.4019**	**9.1000e-004**	**0.1088**	**6.7000e-004**	**0.1094**	**0.0289**	**6.2000e-004**	**0.0295**		**90.8582**	**90.8582**	**3.6600e-003**		**90.9497**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2137	0.9259	11.6556	0.0174		0.0285	0.0285		0.0285	0.0285	0.0000	1,684.1111	1,684.1111	0.5447		1,697.7280
Paving	0.0542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.2678**	**0.9259**	**11.6556**	**0.0174**		**0.0285**	**0.0285**		**0.0285**	**0.0285**	**0.0000**	**1,684.1111**	**1,684.1111**	**0.5447**		**1,697.7280**

3.5 4 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0604	0.0453	0.4019	9.1000e-004	0.1088	6.7000e-004	0.1094	0.0289	6.2000e-004	0.0295		90.8582	90.8582	3.6600e-003		90.9497
Total	**0.0604**	**0.0453**	**0.4019**	**9.1000e-004**	**0.1088**	**6.7000e-004**	**0.1094**	**0.0289**	**6.2000e-004**	**0.0295**		**90.8582**	**90.8582**	**3.6600e-003**		**90.9497**

3.6 5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	40.0320					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3833	2.6060	3.6222	5.9400e-003		0.1416	0.1416		0.1416	0.1416		562.8961	562.8961	0.0337		563.7380
Total	**40.4154**	**2.6060**	**3.6222**	**5.9400e-003**		**0.1416**	**0.1416**		**0.1416**	**0.1416**		**562.8961**	**562.8961**	**0.0337**		**563.7380**

3.6 5 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0737	0.0522	0.4708	1.1700e-003	0.1506	8.7000e-004	0.1515	0.0400	8.0000e-004	0.0408		116.6066	116.6066	4.2200e-003		116.7122
Total	**0.0737**	**0.0522**	**0.4708**	**1.1700e-003**	**0.1506**	**8.7000e-004**	**0.1515**	**0.0400**	**8.0000e-004**	**0.0408**		**116.6066**	**116.6066**	**4.2200e-003**		**116.7122**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	40.0320					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0337		563.7380
Total	**40.0915**	**0.2575**	**3.6648**	**5.9400e-003**		**7.9200e-003**	**7.9200e-003**		**7.9200e-003**	**7.9200e-003**	**0.0000**	**562.8961**	**562.8961**	**0.0337**		**563.7380**

3.6 5 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0737	0.0522	0.4708	1.1700e-003	0.1506	8.7000e-004	0.1515	0.0400	8.0000e-004	0.0408		116.6066	116.6066	4.2200e-003		116.7122
Total	**0.0737**	**0.0522**	**0.4708**	**1.1700e-003**	**0.1506**	**8.7000e-004**	**0.1515**	**0.0400**	**8.0000e-004**	**0.0408**		**116.6066**	**116.6066**	**4.2200e-003**		**116.7122**

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	3.0322	26.6666	34.7912	0.1518	10.6482	0.0783	10.7265	2.8569	0.0731	2.9300		15,592.6596	15,592.6596	0.8949		15,615.0315
Unmitigated	3.0322	26.6666	34.7912	0.1518	10.6482	0.0783	10.7265	2.8569	0.0731	2.9300		15,592.6596	15,592.6596	0.8949		15,615.0315

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	483.79	122.19	52.15	790,629	790,629
Hospital	1,383.72	1,269.84	1121.64	3,766,558	3,766,558
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	1,867.51	1,392.03	1,173.79	4,557,187	4,557,187

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
General Office Building	12.50	4.20	5.40	33.00	48.00	19.00	77	19	4
Hospital	12.50	4.20	5.40	64.90	16.10	19.00	73	25	2
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	12.50	4.20	5.40	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
General Office Building	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Hospital	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Other Asphalt Surfaces	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Other Non-Asphalt Surfaces	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2739	2.4897	2.0914	0.0149		0.1892	0.1892		0.1892	0.1892		2,987.6735	2,987.6735	0.0573	0.0548	3,005.4278
NaturalGas Unmitigated	0.2739	2.4897	2.0914	0.0149		0.1892	0.1892		0.1892	0.1892		2,987.6735	2,987.6735	0.0573	0.0548	3,005.4278

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	472.177	5.0900e-003	0.0463	0.0389	2.8000e-004		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003		55.5502	55.5502	1.0600e-003	1.0200e-003	55.8803
Hospital	24923	0.2688	2.4434	2.0525	0.0147		0.1857	0.1857		0.1857	0.1857		2,932.1233	2,932.1233	0.0562	0.0538	2,949.5475
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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		**0.2739**	**2.4897**	**2.0914**	**0.0149**		**0.1892**	**0.1892**		**0.1892**	**0.1892**		**2,987.6735**	**2,987.6735**	**0.0573**	**0.0548**	**3,005.4278**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.472177	5.0900e-003	0.0463	0.0389	2.8000e-004		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003		55.5502	55.5502	1.0600e-003	1.0200e-003	55.8803
Hospital	24.923	0.2688	2.4434	2.0525	0.0147		0.1857	0.1857		0.1857	0.1857		2,932.1233	2,932.1233	0.0562	0.0538	2,949.5475
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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		**0.2739**	**2.4897**	**2.0914**	**0.0149**		**0.1892**	**0.1892**		**0.1892**	**0.1892**		**2,987.6735**	**2,987.6735**	**0.0573**	**0.0548**	**3,005.4278**

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	4.3323	2.7000e-004	0.0298	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0641	0.0641	1.7000e-004		0.0683
Unmitigated	4.3323	2.7000e-004	0.0298	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0641	0.0641	1.7000e-004		0.0683

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	0.6581					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6715					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.7500e-003	2.7000e-004	0.0298	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0641	0.0641	1.7000e-004		0.0683
Total	**4.3323**	**2.7000e-004**	**0.0298**	**0.0000**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**		**0.0641**	**0.0641**	**1.7000e-004**		**0.0683**

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	0.6581					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6715					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.7500e-003	2.7000e-004	0.0298	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0641	0.0641	1.7000e-004		0.0683
Total	**4.3323**	**2.7000e-004**	**0.0298**	**0.0000**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**		**0.0641**	**0.0641**	**1.7000e-004**		**0.0683**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

Betty Ford Center, Less Intense Alt.

Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	49.67	1000sqft	1.14	49,667.00	0
Hospital	123.00	Bed	23.08	101,000.00	0
Other Asphalt Surfaces	53.88	1000sqft	1.24	53,877.00	0
Other Non-Asphalt Surfaces	33.25	1000sqft	0.76	33,252.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Betty Ford Center, Less Intense Alt. - Salton Sea Air Basin, Annual

Project Characteristics - Assumes a 4 year buildout, starting in 2021 and ending 2024.

Land Use - Less intense remodel, 123 beds total. Total SF = 150,667.

Construction Phase - Project will be developed in phases over a 4 year period. For analysis purposes, it is assumed that buildout would occur in one consective phase for approximately 2.5 years.

Off-road Equipment - Construction equipment provided by project proponent.

Off-road Equipment - Equipment listed provided by project proponent.

Off-road Equipment -

Off-road Equipment - Equipment list provided by project proponent.

Off-road Equipment - Equipment list provided by project proponent.

Off-road Equipment - Equipment list provided by project proponent.

Trips and VMT -

On-road Fugitive Dust - All roads will be paved.

Demolition -

Grading - Import/Export based on preliminary grading plans. Includes removal of asphalt and concrete.

Architectural Coating - Low VOC coatings per SQAQMD Rule 1113.

Vehicle Trips - Hospital daily trip rate based on 12/11/19 traffic counts; Office daily trip rate based on Traffic Report, ITE 10th Edition.

Road Dust - All roads will be paved.

Landscape Equipment - Project is located in a desert environment with higher than average temperature.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard/required PM10 control measures per SCAQMD Rule 403.1. All equipment fitted with Tier 4 engines

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	125.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	125.00
tblArchitecturalCoating	EF_Parking	150.00	125.00
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5

Betty Ford Center, Less Intense Alt. - Salton Sea Air Basin, Annual

tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	45.00	90.00
tblConstructionPhase	NumDays	440.00	450.00
tblConstructionPhase	NumDays	35.00	60.00
tblConstructionPhase	NumDays	35.00	50.00
tblGrading	AcresOfGrading	157.50	30.00
tblGrading	MaterialExported	0.00	26,217.00
tblLandUse	LandUseSquareFeet	49,670.00	49,667.00
tblLandUse	LandUseSquareFeet	88,038.18	101,000.00
tblLandUse	LandUseSquareFeet	53,880.00	53,877.00
tblLandUse	LandUseSquareFeet	33,250.00	33,252.00
tblLandUse	LotAcreage	2.02	23.08
tblOffRoadEquipment	HorsePower	172.00	402.00
tblOffRoadEquipment	LoadFactor	0.42	0.38
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00

tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	12.94	8.87

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	0.7993	7.8652	6.3152	0.0146	0.3053	0.3336	0.6389	0.1143	0.3136	0.4279	0.0000	1,282.2120	1,282.2120	0.2829	0.0000	1,289.2855
2022	0.7598	6.7881	6.8551	0.0143	0.1166	0.2992	0.4158	0.0315	0.2843	0.3158	0.0000	1,241.5714	1,241.5714	0.2559	0.0000	1,247.9690
2023	1.0326	1.2288	1.3781	2.8600e-003	0.0255	0.0533	0.0788	6.8700e-003	0.0508	0.0577	0.0000	248.4975	248.4975	0.0482	0.0000	249.7020
Maximum	**1.0326**	**7.8652**	**6.8551**	**0.0146**	**0.3053**	**0.3336**	**0.6389**	**0.1143**	**0.3136**	**0.4279**	**0.0000**	**1,282.2120**	**1,282.2120**	**0.2829**	**0.0000**	**1,289.2855**

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	0.2130	1.7357	7.2335	0.0146	0.1952	0.0204	0.2155	0.0652	0.0203	0.0854	0.0000	1,282.2108	1,282.2108	0.2829	0.0000	1,289.2843
2022	0.2176	1.8022	7.7451	0.0143	0.1166	0.0196	0.1362	0.0315	0.0195	0.0511	0.0000	1,241.5702	1,241.5702	0.2559	0.0000	1,247.9677
2023	0.9312	0.3289	1.5562	2.8600e-003	0.0255	3.8300e-003	0.0293	6.8700e-003	3.8200e-003	0.0107	0.0000	248.4973	248.4973	0.0482	0.0000	249.7017
Maximum	**0.9312**	**1.8022**	**7.7451**	**0.0146**	**0.1952**	**0.0204**	**0.2155**	**0.0652**	**0.0203**	**0.0854**	**0.0000**	**1,282.2108**	**1,282.2108**	**0.2829**	**0.0000**	**1,289.2843**

Betty Ford Center, Less Intense Alt. - Salton Sea Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**47.45**	**75.65**	**-13.65**	**0.00**	**24.61**	**93.62**	**66.39**	**32.19**	**93.28**	**81.64**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-1-2021**	**3-31-2021**	1.5601	0.2738
2	**4-1-2021**	**6-30-2021**	1.9415	0.4649
3	**7-1-2021**	**9-30-2021**	2.9272	0.6747
4	**10-1-2021**	**12-31-2021**	2.2204	0.5270
5	**1-1-2022**	**3-31-2022**	1.8650	0.4981
6	**4-1-2022**	**6-30-2022**	1.8888	0.5068
7	**7-1-2022**	**9-30-2022**	1.9096	0.5123
8	**10-1-2022**	**12-31-2022**	1.9064	0.5092
9	**1-1-2023**	**3-31-2023**	2.0976	1.1150
10	**4-1-2023**	**6-30-2023**	0.1518	0.1413
		Highest	2.9272	1.1150

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.7009	2.0000e-005	2.3800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.6400e-003	4.6400e-003	1.0000e-005	0.0000	4.9400e-003
Energy	0.0421	0.3824	0.3212	2.2900e-003		0.0291	0.0291		0.0291	0.0291	0.0000	1,159.9757	1,159.9757	0.0387	0.0140	1,165.1099
Mobile	0.4662	3.7225	5.0928	0.0220	1.4549	0.0108	1.4656	0.3907	0.0100	0.4008	0.0000	2,050.0514	2,050.0514	0.1099	0.0000	2,052.7996
Waste						0.0000	0.0000		0.0000	0.0000	82.2824	0.0000	82.2824	4.8628	0.0000	203.8511
Water						0.0000	0.0000		0.0000	0.0000	6.3055	109.0593	115.3647	0.6521	0.0162	136.5027
Total	**1.2091**	**4.1049**	**5.4163**	**0.0243**	**1.4549**	**0.0398**	**1.4947**	**0.3907**	**0.0391**	**0.4298**	**88.5879**	**3,319.0910**	**3,407.6789**	**5.6635**	**0.0302**	**3,558.2682**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.7009	2.0000e-005	2.3800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.6400e-003	4.6400e-003	1.0000e-005	0.0000	4.9400e-003
Energy	0.0421	0.3824	0.3212	2.2900e-003		0.0291	0.0291		0.0291	0.0291	0.0000	1,159.9757	1,159.9757	0.0387	0.0140	1,165.1099
Mobile	0.4662	3.7225	5.0928	0.0220	1.4549	0.0108	1.4656	0.3907	0.0100	0.4008	0.0000	2,050.0514	2,050.0514	0.1099	0.0000	2,052.7996
Waste						0.0000	0.0000		0.0000	0.0000	82.2824	0.0000	82.2824	4.8628	0.0000	203.8511
Water						0.0000	0.0000		0.0000	0.0000	6.3055	109.0593	115.3647	0.6521	0.0162	136.5027
Total	**1.2091**	**4.1049**	**5.4163**	**0.0243**	**1.4549**	**0.0398**	**1.4947**	**0.3907**	**0.0391**	**0.4298**	**88.5879**	**3,319.0910**	**3,407.6789**	**5.6635**	**0.0302**	**3,558.2682**

	ROG	NOx	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**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	1 Demolition	Demolition	1/1/2021	3/25/2021	5	60	
2	2 Grading	Grading	3/26/2021	7/29/2021	5	90	
3	3 Building Construction	Building Construction	6/18/2021	3/9/2023	5	450	
4	4 Paving	Paving	7/30/2021	10/21/2021	5	60	
5	5 Architectural Coating	Architectural Coating	2/1/2023	4/11/2023	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 226,001; Non-Residential Outdoor: 75,334; Striped Parking Area: 5,228 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
1 Demolition	Aerial Lifts	2	4.00	63	0.31
1 Demolition	Concrete/Industrial Saws	2	4.00	81	0.73
1 Demolition	Cranes	1	4.00	231	0.29
1 Demolition	Crawler Tractors	1	4.00	212	0.43
1 Demolition	Crushing/Proc. Equipment	1	4.00	85	0.78
1 Demolition	Excavators	2	4.00	158	0.38
1 Demolition	Generator Sets	2	4.00	84	0.74
1 Demolition	Off-Highway Tractors	1	4.00	124	0.44
1 Demolition	Off-Highway Trucks	2	4.00	402	0.38
1 Demolition	Rough Terrain Forklifts	1	4.00	100	0.40
1 Demolition	Rubber Tired Dozers	2	4.00	247	0.40

1 Demolition	Rubber Tired Loaders	2	4.00	203	0.36
1 Demolition	Skid Steer Loaders	2	4.00	65	0.37
1 Demolition	Sweepers/Scrubbers	1	4.00	64	0.46
1 Demolition	Tractors/Loaders/Backhoes	2	4.00	97	0.37
2 Grading	Crawler Tractors	2	4.00	212	0.43
2 Grading	Excavators	2	4.00	158	0.38
2 Grading	Graders	1	4.00	187	0.41
2 Grading	Off-Highway Tractors	1	4.00	124	0.44
2 Grading	Off-Highway Trucks	2	4.00	402	0.38
2 Grading	Rubber Tired Dozers	1	4.00	247	0.40
2 Grading	Rubber Tired Loaders	1	4.00	203	0.36
2 Grading	Scrapers	2	4.00	367	0.48
2 Grading	Tractors/Loaders/Backhoes	2	4.00	97	0.37
3 Building Construction	Aerial Lifts	3	4.00	63	0.31
3 Building Construction	Air Compressors	2	4.00	78	0.48
3 Building Construction	Bore/Drill Rigs	1	4.00	221	0.50
3 Building Construction	Cement and Mortar Mixers	1	4.00	9	0.56
3 Building Construction	Concrete/Industrial Saws	2	4.00	81	0.73
3 Building Construction	Cranes	2	4.00	231	0.29
3 Building Construction	Crawler Tractors	2	4.00	212	0.43
3 Building Construction	Excavators	2	4.00	158	0.38
3 Building Construction	Forklifts	2	4.00	89	0.20
3 Building Construction	Generator Sets	2	4.00	84	0.74
3 Building Construction	Off-Highway Tractors	1	4.00	124	0.44
3 Building Construction	Other Construction Equipment	2	4.00	402	0.38
3 Building Construction	Plate Compactors	2	4.00	8	0.43
3 Building Construction	Pressure Washers	2	4.00	13	0.30

3 Building Construction	Pumps	3	4.00	84	0.74
3 Building Construction	Rollers	1	4.00	80	0.38
3 Building Construction	Rough Terrain Forklifts	2	4.00	100	0.40
3 Building Construction	Skid Steer Loaders	2	4.00	65	0.37
3 Building Construction	Sweepers/Scrubbers	1	4.00	64	0.46
3 Building Construction	Tractors/Loaders/Backhoes	3	4.00	97	0.37
3 Building Construction	Trenchers	2	4.00	78	0.50
3 Building Construction	Welders	3	4.00	46	0.45
3 Building Construction	Welders	3	4.00	46	0.45
4 Paving	Excavators	1	6.00	158	0.38
4 Paving	Graders	1	6.00	187	0.41
4 Paving	Pavers	1	6.00	130	0.42
4 Paving	Paving Equipment	1	6.00	132	0.36
4 Paving	Rollers	1	6.00	80	0.38
5 Architectural Coating	Air Compressors	2	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
1 Demolition	24	60.00	0.00	235.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
2 Grading	14	35.00	0.00	3,277.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
3 Building Construction	46	85.00	39.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
4 Paving	5	13.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
5 Architectural Coating	2	17.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

3.2 1 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					0.0264	0.0000	0.0264	4.0000e-003	0.0000	4.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1292	1.2818	0.9800	2.0600e-003		0.0590	0.0590		0.0553	0.0553	0.0000	179.6237	179.6237	0.0469	0.0000	180.7960
Total	**0.1292**	**1.2818**	**0.9800**	**2.0600e-003**	**0.0264**	**0.0590**	**0.0854**	**4.0000e-003**	**0.0553**	**0.0593**	**0.0000**	**179.6237**	**179.6237**	**0.0469**	**0.0000**	**180.7960**

3.2 1 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.1000e-004	0.0257	3.5600e-003	9.0000e-005	2.0400e-003	8.0000e-005	2.1100e-003	5.6000e-004	7.0000e-005	6.3000e-004	0.0000	8.5915	8.5915	4.3000e-004	0.0000	8.6021
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5100e-003	6.1500e-003	0.0623	1.4000e-004	0.0149	9.0000e-005	0.0150	3.9500e-003	9.0000e-005	4.0400e-003	0.0000	12.2821	12.2821	5.0000e-004	0.0000	12.2946
Total	**9.1200e-003**	**0.0318**	**0.0658**	**2.3000e-004**	**0.0169**	**1.7000e-004**	**0.0171**	**4.5100e-003**	**1.6000e-004**	**4.6700e-003**	**0.0000**	**20.8735**	**20.8735**	**9.3000e-004**	**0.0000**	**20.8967**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0103	0.0000	0.0103	1.5600e-003	0.0000	1.5600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0260	0.1810	1.1668	2.0600e-003		3.2200e-003	3.2200e-003		3.2200e-003	3.2200e-003	0.0000	179.6235	179.6235	0.0469	0.0000	180.7957
Total	**0.0260**	**0.1810**	**1.1668**	**2.0600e-003**	**0.0103**	**3.2200e-003**	**0.0135**	**1.5600e-003**	**3.2200e-003**	**4.7800e-003**	**0.0000**	**179.6235**	**179.6235**	**0.0469**	**0.0000**	**180.7957**

3.2 1 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.1000e-004	0.0257	3.5600e-003	9.0000e-005	2.0400e-003	8.0000e-005	2.1100e-003	5.6000e-004	7.0000e-005	6.3000e-004	0.0000	8.5915	8.5915	4.3000e-004	0.0000	8.6021
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5100e-003	6.1500e-003	0.0623	1.4000e-004	0.0149	9.0000e-005	0.0150	3.9500e-003	9.0000e-005	4.0400e-003	0.0000	12.2821	12.2821	5.0000e-004	0.0000	12.2946
Total	**9.1200e-003**	**0.0318**	**0.0658**	**2.3000e-004**	**0.0169**	**1.7000e-004**	**0.0171**	**4.5100e-003**	**1.6000e-004**	**4.6700e-003**	**0.0000**	**20.8735**	**20.8735**	**9.3000e-004**	**0.0000**	**20.8967**

3.3 2 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1540	0.0000	0.1540	0.0766	0.0000	0.0766	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1597	1.7389	1.0722	2.5900e-003		0.0708	0.0708		0.0652	0.0652	0.0000	227.4904	227.4904	0.0736	0.0000	229.3298
Total	**0.1597**	**1.7389**	**1.0722**	**2.5900e-003**	**0.1540**	**0.0708**	**0.2249**	**0.0766**	**0.0652**	**0.1418**	**0.0000**	**227.4904**	**227.4904**	**0.0736**	**0.0000**	**229.3298**

3.3 2 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.4600e-003	0.3583	0.0496	1.2600e-003	0.0284	1.0600e-003	0.0295	7.8100e-003	1.0200e-003	8.8200e-003	0.0000	119.8052	119.8052	5.9500e-003	0.0000	119.9540
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4400e-003	5.3800e-003	0.0545	1.2000e-004	0.0130	8.0000e-005	0.0131	3.4600e-003	7.0000e-005	3.5300e-003	0.0000	10.7468	10.7468	4.4000e-004	0.0000	10.7578
Total	**0.0159**	**0.3636**	**0.1041**	**1.3800e-003**	**0.0414**	**1.1400e-003**	**0.0426**	**0.0113**	**1.0900e-003**	**0.0124**	**0.0000**	**130.5520**	**130.5520**	**6.3900e-003**	**0.0000**	**130.7117**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0601	0.0000	0.0601	0.0299	0.0000	0.0299	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0318	0.1378	1.3123	2.5900e-003		4.2400e-003	4.2400e-003		4.2400e-003	4.2400e-003	0.0000	227.4901	227.4901	0.0736	0.0000	229.3295
Total	**0.0318**	**0.1378**	**1.3123**	**2.5900e-003**	**0.0601**	**4.2400e-003**	**0.0643**	**0.0299**	**4.2400e-003**	**0.0341**	**0.0000**	**227.4901**	**227.4901**	**0.0736**	**0.0000**	**229.3295**

3.3 2 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.4600e-003	0.3583	0.0496	1.2600e-003	0.0284	1.0600e-003	0.0295	7.8100e-003	1.0200e-003	8.8200e-003	0.0000	119.8052	119.8052	5.9500e-003	0.0000	119.9540
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4400e-003	5.3800e-003	0.0545	1.2000e-004	0.0130	8.0000e-005	0.0131	3.4600e-003	7.0000e-005	3.5300e-003	0.0000	10.7468	10.7468	4.4000e-004	0.0000	10.7578
Total	**0.0159**	**0.3636**	**0.1041**	**1.3800e-003**	**0.0414**	**1.1400e-003**	**0.0426**	**0.0113**	**1.0900e-003**	**0.0124**	**0.0000**	**130.5520**	**130.5520**	**6.3900e-003**	**0.0000**	**130.7117**

3.4 3 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4166	3.8542	3.5353	6.7000e-003		0.1875	0.1875		0.1781	0.1781	0.0000	574.6049	574.6049	0.1337	0.0000	577.9462
Total	**0.4166**	**3.8542**	**3.5353**	**6.7000e-003**		**0.1875**	**0.1875**		**0.1781**	**0.1781**	**0.0000**	**574.6049**	**574.6049**	**0.1337**	**0.0000**	**577.9462**

3.4 3 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.6400e-003	0.2460	0.0589	6.3000e-004	0.0137	4.4000e-004	0.0141	3.9500e-003	4.2000e-004	4.3700e-003	0.0000	59.6834	59.6834	4.9000e-003	0.0000	59.8060
Worker	0.0283	0.0205	0.2073	4.5000e-004	0.0495	3.1000e-004	0.0499	0.0132	2.8000e-004	0.0134	0.0000	40.8890	40.8890	1.6700e-003	0.0000	40.9307
Total	**0.0360**	**0.2665**	**0.2662**	**1.0800e-003**	**0.0632**	**7.5000e-004**	**0.0640**	**0.0171**	**7.0000e-004**	**0.0178**	**0.0000**	**100.5724**	**100.5724**	**6.5700e-003**	**0.0000**	**100.7367**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0844	0.7259	3.9552	6.7000e-003		9.9600e-003	9.9600e-003		9.9600e-003	9.9600e-003	0.0000	574.6042	574.6042	0.1337	0.0000	577.9456
Total	**0.0844**	**0.7259**	**3.9552**	**6.7000e-003**		**9.9600e-003**	**9.9600e-003**		**9.9600e-003**	**9.9600e-003**	**0.0000**	**574.6042**	**574.6042**	**0.1337**	**0.0000**	**577.9456**

3.4 3 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.6400e-003	0.2460	0.0589	6.3000e-004	0.0137	4.4000e-004	0.0141	3.9500e-003	4.2000e-004	4.3700e-003	0.0000	59.6834	59.6834	4.9000e-003	0.0000	59.8060
Worker	0.0283	0.0205	0.2073	4.5000e-004	0.0495	3.1000e-004	0.0499	0.0132	2.8000e-004	0.0134	0.0000	40.8890	40.8890	1.6700e-003	0.0000	40.9307
Total	**0.0360**	**0.2665**	**0.2662**	**1.0800e-003**	**0.0632**	**7.5000e-004**	**0.0640**	**0.0171**	**7.0000e-004**	**0.0178**	**0.0000**	**100.5724**	**100.5724**	**6.5700e-003**	**0.0000**	**100.7367**

3.4 3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6979	6.3245	6.4033	0.0124		0.2980	0.2980		0.2831	0.2831	0.0000	1,059.8048	1,059.8048	0.2447	0.0000	1,065.9224
Total	**0.6979**	**6.3245**	**6.4033**	**0.0124**		**0.2980**	**0.2980**		**0.2831**	**0.2831**	**0.0000**	**1,059.8048**	**1,059.8048**	**0.2447**	**0.0000**	**1,065.9224**

3.4 3 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0131	0.4292	0.1001	1.1500e-003	0.0252	6.9000e-004	0.0259	7.2700e-003	6.6000e-004	7.9300e-003	0.0000	109.1287	109.1287	8.4000e-003	0.0000	109.3387
Worker	0.0488	0.0344	0.3516	8.1000e-004	0.0914	5.5000e-004	0.0919	0.0243	5.1000e-004	0.0248	0.0000	72.6379	72.6379	2.8000e-003	0.0000	72.7080
Total	**0.0619**	**0.4636**	**0.4518**	**1.9600e-003**	**0.1166**	**1.2400e-003**	**0.1178**	**0.0315**	**1.1700e-003**	**0.0327**	**0.0000**	**181.7666**	**181.7666**	**0.0112**	**0.0000**	**182.0466**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1557	1.3386	7.2933	0.0124		0.0184	0.0184		0.0184	0.0184	0.0000	1,059.8036	1,059.8036	0.2447	0.0000	1,065.9211
Total	**0.1557**	**1.3386**	**7.2933**	**0.0124**		**0.0184**	**0.0184**		**0.0184**	**0.0184**	**0.0000**	**1,059.8036**	**1,059.8036**	**0.2447**	**0.0000**	**1,065.9211**

3.4 3 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0131	0.4292	0.1001	1.1500e-003	0.0252	6.9000e-004	0.0259	7.2700e-003	6.6000e-004	7.9300e-003	0.0000	109.1287	109.1287	8.4000e-003	0.0000	109.3387
Worker	0.0488	0.0344	0.3516	8.1000e-004	0.0914	5.5000e-004	0.0919	0.0243	5.1000e-004	0.0248	0.0000	72.6379	72.6379	2.8000e-003	0.0000	72.7080
Total	**0.0619**	**0.4636**	**0.4518**	**1.9600e-003**	**0.1166**	**1.2400e-003**	**0.1178**	**0.0315**	**1.1700e-003**	**0.0327**	**0.0000**	**181.7666**	**181.7666**	**0.0112**	**0.0000**	**182.0466**

3.4 3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1226	1.0935	1.1974	2.3300e-003		0.0496	0.0496		0.0471	0.0471	0.0000	199.7710	199.7710	0.0457	0.0000	200.9138
Total	**0.1226**	**1.0935**	**1.1974**	**2.3300e-003**		**0.0496**	**0.0496**		**0.0471**	**0.0471**	**0.0000**	**199.7710**	**199.7710**	**0.0457**	**0.0000**	**200.9138**

3.4 3 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9400e-003	0.0631	0.0164	2.1000e-004	4.7500e-003	5.0000e-005	4.8000e-003	1.3700e-003	5.0000e-005	1.4200e-003	0.0000	20.1031	20.1031	1.1200e-003	0.0000	20.1312
Worker	8.6200e-003	5.9300e-003	0.0612	1.5000e-004	0.0172	1.0000e-004	0.0173	4.5700e-003	9.0000e-005	4.6600e-003	0.0000	13.1695	13.1695	4.8000e-004	0.0000	13.1816
Total	**0.0106**	**0.0690**	**0.0776**	**3.6000e-004**	**0.0220**	**1.5000e-004**	**0.0221**	**5.9400e-003**	**1.4000e-004**	**6.0800e-003**	**0.0000**	**33.2726**	**33.2726**	**1.6000e-003**	**0.0000**	**33.3128**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0293	0.2523	1.3745	2.3300e-003		3.4600e-003	3.4600e-003		3.4600e-003	3.4600e-003	0.0000	199.7708	199.7708	0.0457	0.0000	200.9135
Total	**0.0293**	**0.2523**	**1.3745**	**2.3300e-003**		**3.4600e-003**	**3.4600e-003**		**3.4600e-003**	**3.4600e-003**	**0.0000**	**199.7708**	**199.7708**	**0.0457**	**0.0000**	**200.9135**

3.4 3 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9400e-003	0.0631	0.0164	2.1000e-004	4.7500e-003	5.0000e-005	4.8000e-003	1.3700e-003	5.0000e-005	1.4200e-003	0.0000	20.1031	20.1031	1.1200e-003	0.0000	20.1312
Worker	8.6200e-003	5.9300e-003	0.0612	1.5000e-004	0.0172	1.0000e-004	0.0173	4.5700e-003	9.0000e-005	4.6600e-003	0.0000	13.1695	13.1695	4.8000e-004	0.0000	13.1816
Total	**0.0106**	**0.0690**	**0.0776**	**3.6000e-004**	**0.0220**	**1.5000e-004**	**0.0221**	**5.9400e-003**	**1.4000e-004**	**6.0800e-003**	**0.0000**	**33.2726**	**33.2726**	**1.6000e-003**	**0.0000**	**33.3128**

3.5 4 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0295	0.3271	0.2782	5.2000e-004		0.0142	0.0142		0.0131	0.0131	0.0000	45.8340	45.8340	0.0148	0.0000	46.2046
Paving	1.6200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0311**	**0.3271**	**0.2782**	**5.2000e-004**		**0.0142**	**0.0142**		**0.0131**	**0.0131**	**0.0000**	**45.8340**	**45.8340**	**0.0148**	**0.0000**	**46.2046**

3.5 4 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8400e-003	1.3300e-003	0.0135	3.0000e-005	3.2200e-003	2.0000e-005	3.2400e-003	8.6000e-004	2.0000e-005	8.7000e-004	0.0000	2.6611	2.6611	1.1000e-004	0.0000	2.6638
Total	**1.8400e-003**	**1.3300e-003**	**0.0135**	**3.0000e-005**	**3.2200e-003**	**2.0000e-005**	**3.2400e-003**	**8.6000e-004**	**2.0000e-005**	**8.7000e-004**	**0.0000**	**2.6611**	**2.6611**	**1.1000e-004**	**0.0000**	**2.6638**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4100e-003	0.0278	0.3497	5.2000e-004		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	45.8339	45.8339	0.0148	0.0000	46.2045
Paving	1.6200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.0300e-003**	**0.0278**	**0.3497**	**5.2000e-004**		**8.5000e-004**	**8.5000e-004**		**8.5000e-004**	**8.5000e-004**	**0.0000**	**45.8339**	**45.8339**	**0.0148**	**0.0000**	**46.2045**

3.5 4 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8400e-003	1.3300e-003	0.0135	3.0000e-005	3.2200e-003	2.0000e-005	3.2400e-003	8.6000e-004	2.0000e-005	8.7000e-004	0.0000	2.6611	2.6611	1.1000e-004	0.0000	2.6638
Total	**1.8400e-003**	**1.3300e-003**	**0.0135**	**3.0000e-005**	**3.2200e-003**	**2.0000e-005**	**3.2400e-003**	**8.6000e-004**	**2.0000e-005**	**8.7000e-004**	**0.0000**	**2.6611**	**2.6611**	**1.1000e-004**	**0.0000**	**2.6638**

3.6 5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8881					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5800e-003	0.0652	0.0906	1.5000e-004		3.5400e-003	3.5400e-003		3.5400e-003	3.5400e-003	0.0000	12.7663	12.7663	7.6000e-004	0.0000	12.7854
Total	**0.8977**	**0.0652**	**0.0906**	**1.5000e-004**		**3.5400e-003**	**3.5400e-003**		**3.5400e-003**	**3.5400e-003**	**0.0000**	**12.7663**	**12.7663**	**7.6000e-004**	**0.0000**	**12.7854**

3.6 5 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7600e-003	1.2100e-003	0.0125	3.0000e-005	3.5100e-003	2.0000e-005	3.5300e-003	9.3000e-004	2.0000e-005	9.5000e-004	0.0000	2.6877	2.6877	1.0000e-004	0.0000	2.6901
Total	**1.7600e-003**	**1.2100e-003**	**0.0125**	**3.0000e-005**	**3.5100e-003**	**2.0000e-005**	**3.5300e-003**	**9.3000e-004**	**2.0000e-005**	**9.5000e-004**	**0.0000**	**2.6877**	**2.6877**	**1.0000e-004**	**0.0000**	**2.6901**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8881					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4900e-003	6.4400e-003	0.0916	1.5000e-004		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	12.7663	12.7663	7.6000e-004	0.0000	12.7854
Total	**0.8896**	**6.4400e-003**	**0.0916**	**1.5000e-004**		**2.0000e-004**	**2.0000e-004**		**2.0000e-004**	**2.0000e-004**	**0.0000**	**12.7663**	**12.7663**	**7.6000e-004**	**0.0000**	**12.7854**

3.6 5 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7600e-003	1.2100e-003	0.0125	3.0000e-005	3.5100e-003	2.0000e-005	3.5300e-003	9.3000e-004	2.0000e-005	9.5000e-004	0.0000	2.6877	2.6877	1.0000e-004	0.0000	2.6901
Total	**1.7600e-003**	**1.2100e-003**	**0.0125**	**3.0000e-005**	**3.5100e-003**	**2.0000e-005**	**3.5300e-003**	**9.3000e-004**	**2.0000e-005**	**9.5000e-004**	**0.0000**	**2.6877**	**2.6877**	**1.0000e-004**	**0.0000**	**2.6901**

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	0.4662	3.7225	5.0928	0.0220	1.4549	0.0108	1.4656	0.3907	0.0100	0.4008	0.0000	2,050.0514	2,050.0514	0.1099	0.0000	2,052.7996
Unmitigated	0.4662	3.7225	5.0928	0.0220	1.4549	0.0108	1.4656	0.3907	0.0100	0.4008	0.0000	2,050.0514	2,050.0514	0.1099	0.0000	2,052.7996

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	483.79	122.19	52.15	790,629	790,629
Hospital	1,091.01	1,001.22	884.37	2,969,786	2,969,786
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	1,574.80	1,123.41	936.52	3,760,416	3,760,416

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
General Office Building	12.50	4.20	5.40	33.00	48.00	19.00	77	19	4
Hospital	12.50	4.20	5.40	64.90	16.10	19.00	73	25	2
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	12.50	4.20	5.40	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
General Office Building	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Hospital	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Other Asphalt Surfaces	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Other Non-Asphalt Surfaces	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	743.7452	743.7452	0.0307	6.3500e-003	746.4060
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	743.7452	743.7452	0.0307	6.3500e-003	746.4060
NaturalGas Mitigated	0.0421	0.3824	0.3212	2.2900e-003		0.0291	0.0291		0.0291	0.0291	0.0000	416.2305	416.2305	7.9800e-003	7.6300e-003	418.7039
NaturalGas Unmitigated	0.0421	0.3824	0.3212	2.2900e-003		0.0291	0.0291		0.0291	0.0291	0.0000	416.2305	416.2305	7.9800e-003	7.6300e-003	418.7039

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	172344	9.3000e-004	8.4500e-003	7.1000e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	9.1970	9.1970	1.8000e-004	1.7000e-004	9.2516
Hospital	7.62752e+006	0.0411	0.3739	0.3141	2.2400e-003		0.0284	0.0284		0.0284	0.0284	0.0000	407.0335	407.0335	7.8000e-003	7.4600e-003	409.4523
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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		**0.0421**	**0.3824**	**0.3212**	**2.2900e-003**		**0.0291**	**0.0291**		**0.0291**	**0.0291**	**0.0000**	**416.2305**	**416.2305**	**7.9800e-003**	**7.6300e-003**	**418.7039**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	172344	9.3000e-004	8.4500e-003	7.1000e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	9.1970	9.1970	1.8000e-004	1.7000e-004	9.2516
Hospital	7.62752e+006	0.0411	0.3739	0.3141	2.2400e-003		0.0284	0.0284		0.0284	0.0284	0.0000	407.0335	407.0335	7.8000e-003	7.4600e-003	409.4523
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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		**0.0421**	**0.3824**	**0.3212**	**2.2900e-003**		**0.0291**	**0.0291**		**0.0291**	**0.0291**	**0.0000**	**416.2305**	**416.2305**	**7.9800e-003**	**7.6300e-003**	**418.7039**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	472830	150.6537	6.2200e-003	1.2900e-003	151.1927
Hospital	1.86143e+006	593.0915	0.0245	5.0700e-003	595.2133
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**743.7452**	**0.0307**	**6.3600e-003**	**746.4060**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	472830	150.6537	6.2200e-003	1.2900e-003	151.1927
Hospital	1.86143e+006	593.0915	0.0245	5.0700e-003	595.2133
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**743.7452**	**0.0307**	**6.3600e-003**	**746.4060**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7009	2.0000e-005	2.3800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.6400e-003	4.6400e-003	1.0000e-005	0.0000	4.9400e-003
Unmitigated	0.7009	2.0000e-005	2.3800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.6400e-003	4.6400e-003	1.0000e-005	0.0000	4.9400e-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	0.1066					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5941					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.2000e-004	2.0000e-005	2.3800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.6400e-003	4.6400e-003	1.0000e-005	0.0000	4.9400e-003
Total	**0.7009**	**2.0000e-005**	**2.3800e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**4.6400e-003**	**4.6400e-003**	**1.0000e-005**	**0.0000**	**4.9400e-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	0.1066					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5941					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.2000e-004	2.0000e-005	2.3800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.6400e-003	4.6400e-003	1.0000e-005	0.0000	4.9400e-003
Total	**0.7009**	**2.0000e-005**	**2.3800e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**4.6400e-003**	**4.6400e-003**	**1.0000e-005**	**0.0000**	**4.9400e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	115.3647	0.6521	0.0162	136.5027
Unmitigated	115.3647	0.6521	0.0162	136.5027

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	8.82804 / 5.41073	58.5796	0.2900	7.2700e-003	67.9948
Hospital	11.0471 / 2.10421	56.7852	0.3622	8.9500e-003	68.5079
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**115.3647**	**0.6521**	**0.0162**	**136.5027**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	8.82804 / 5.41073	58.5796	0.2900	7.2700e-003	67.9948
Hospital	11.0471 / 2.10421	56.7852	0.3622	8.9500e-003	68.5079
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**115.3647**	**0.6521**	**0.0162**	**136.5027**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	82.2824	4.8628	0.0000	203.8511
Unmitigated	82.2824	4.8628	0.0000	203.8511

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	46.19	9.3762	0.5541	0.0000	23.2290
Hospital	359.16	72.9062	4.3086	0.0000	180.6221
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**82.2824**	**4.8628**	**0.0000**	**203.8511**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	46.19	9.3762	0.5541	0.0000	23.2290
Hospital	359.16	72.9062	4.3086	0.0000	180.6221
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**82.2824**	**4.8628**	**0.0000**	**203.8511**

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

Betty Ford Center, Less Intense Alt.

Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	49.67	1000sqft	1.14	49,667.00	0
Hospital	123.00	Bed	23.08	101,000.00	0
Other Asphalt Surfaces	53.88	1000sqft	1.24	53,877.00	0
Other Non-Asphalt Surfaces	33.25	1000sqft	0.76	33,252.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Assumes a 4 year buildout, starting in 2021 and ending 2024.

Land Use - Less intense remodel, 123 beds total. Total SF = 150,667.

Construction Phase - Project will be developed in phases over a 4 year period. For analysis purposes, it is assumed that buildout would occur in one consective phase for approximately 2.5 years.

Off-road Equipment - Construction equipment provided by project proponent.

Off-road Equipment - Equipment listed provided by project proponent.

Off-road Equipment -

Off-road Equipment - Equipment list provided by project proponent.

Off-road Equipment - Equipment list provided by project proponent.

Off-road Equipment - Equipment list provided by project proponent.

Trips and VMT -

On-road Fugitive Dust - All roads will be paved.

Demolition -

Grading - Import/Export based on preliminary grading plans. Includes removal of asphalt and concrete.

Architectural Coating - Low VOC coatings per SQAQMD Rule 1113.

Vehicle Trips - Hospital daily trip rate based on 12/11/19 traffic counts; Office daily trip rate based on Traffic Report, ITE 10th Edition.

Road Dust - All roads will be paved.

Landscape Equipment - Project is located in a desert environment with higher than average temperature.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard/required PM10 control measures per SCAQMD Rule 403.1. All equipment fitted with Tier 4 engines

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	125.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	125.00
tblArchitecturalCoating	EF_Parking	150.00	125.00
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5

tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	45.00	90.00
tblConstructionPhase	NumDays	440.00	450.00
tblConstructionPhase	NumDays	35.00	60.00
tblConstructionPhase	NumDays	35.00	50.00
tblGrading	AcresOfGrading	157.50	30.00
tblGrading	MaterialExported	0.00	26,217.00
tblLandUse	LandUseSquareFeet	49,670.00	49,667.00
tblLandUse	LandUseSquareFeet	88,038.18	101,000.00
tblLandUse	LandUseSquareFeet	53,880.00	53,877.00
tblLandUse	LandUseSquareFeet	33,250.00	33,252.00
tblLandUse	LotAcreage	2.02	23.08
tblOffRoadEquipment	HorsePower	172.00	402.00
tblOffRoadEquipment	LoadFactor	0.42	0.38
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00

tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	12.94	8.87

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	10.4219	104.9668	80.9626	0.1999	5.2606	4.2699	9.5305	2.1999	4.0082	6.2081	0.0000	19,480.0882	19,480.0882	4.1466	0.0000	19,583.7526
2022	5.9128	52.2045	53.3587	0.1109	0.9070	2.3014	3.2084	0.2451	2.1864	2.4315	0.0000	10,612.9909	10,612.9909	2.1700	0.0000	10,667.2416
2023	41.4883	50.1021	56.8800	0.1177	1.0493	2.1743	3.2236	0.2828	2.0717	2.3545	0.0000	11,261.3007	11,261.3007	2.1685	0.0000	11,315.5119
Maximum	**41.4883**	**104.9668**	**80.9626**	**0.1999**	**5.2606**	**4.2699**	**9.5305**	**2.1999**	**4.0082**	**6.2081**	**0.0000**	**19,480.0882**	**19,480.0882**	**4.1466**	**0.0000**	**19,583.7526**

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	2.8689	25.0130	92.2546	0.1999	3.1729	0.2713	3.4442	1.1616	0.2695	1.4311	0.0000	19,480.0882	19,480.0882	4.1466	0.0000	19,583.7526
2022	1.7421	13.8509	60.2050	0.1109	0.9070	0.1507	1.0577	0.2451	0.1501	0.3952	0.0000	10,612.9909	10,612.9909	2.1700	0.0000	10,667.2416
2023	37.3582	13.4198	64.1504	0.1177	1.0493	0.1562	1.2055	0.2828	0.1557	0.4385	0.0000	11,261.3007	11,261.3007	2.1685	0.0000	11,315.5119
Maximum	**37.3582**	**25.0130**	**92.2546**	**0.1999**	**3.1729**	**0.2713**	**3.4442**	**1.1616**	**0.2695**	**1.4311**	**0.0000**	**19,480.0882**	**19,480.0882**	**4.1466**	**0.0000**	**19,583.7526**

Betty Ford Center, Less Intense Alt. - Salton Sea Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**27.42**	**74.78**	**-13.29**	**0.00**	**28.93**	**93.39**	**64.25**	**38.06**	**93.04**	**79.40**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.8415	2.4000e-004	0.0265	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0569	0.0569	1.5000e-004		0.0606
Energy	0.2305	2.0951	1.7598	0.0126		0.1592	0.1592		0.1592	0.1592		2,514.0579	2,514.0579	0.0482	0.0461	2,528.9976
Mobile	3.4991	22.6325	36.4808	0.1409	8.8654	0.0647	8.9302	2.3786	0.0604	2.4390		14,451.1730	14,451.1730	0.7451		14,469.7993
Total	**7.5711**	**24.7277**	**38.2671**	**0.1535**	**8.8654**	**0.2240**	**9.0895**	**2.3786**	**0.2197**	**2.5983**		**16,965.2877**	**16,965.2877**	**0.7934**	**0.0461**	**16,998.8575**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.8415	2.4000e-004	0.0265	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0569	0.0569	1.5000e-004		0.0606
Energy	0.2305	2.0951	1.7598	0.0126		0.1592	0.1592		0.1592	0.1592		2,514.0579	2,514.0579	0.0482	0.0461	2,528.9976
Mobile	3.4991	22.6325	36.4808	0.1409	8.8654	0.0647	8.9302	2.3786	0.0604	2.4390		14,451.1730	14,451.1730	0.7451		14,469.7993
Total	**7.5711**	**24.7277**	**38.2671**	**0.1535**	**8.8654**	**0.2240**	**9.0895**	**2.3786**	**0.2197**	**2.5983**		**16,965.2877**	**16,965.2877**	**0.7934**	**0.0461**	**16,998.8575**

	ROG	NOx	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**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	1 Demolition	Demolition	1/1/2021	3/25/2021	5	60	
2	2 Grading	Grading	3/26/2021	7/29/2021	5	90	
3	3 Building Construction	Building Construction	6/18/2021	3/9/2023	5	450	
4	4 Paving	Paving	7/30/2021	10/21/2021	5	60	
5	5 Architectural Coating	Architectural Coating	2/1/2023	4/11/2023	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 226,001; Non-Residential Outdoor: 75,334; Striped Parking Area: 5,228 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
1 Demolition	Aerial Lifts	2	4.00	63	0.31
1 Demolition	Concrete/Industrial Saws	2	4.00	81	0.73
1 Demolition	Cranes	1	4.00	231	0.29
1 Demolition	Crawler Tractors	1	4.00	212	0.43
1 Demolition	Crushing/Proc. Equipment	1	4.00	85	0.78

1 Demolition	Excavators	2	4.00	158	0.38
1 Demolition	Generator Sets	2	4.00	84	0.74
1 Demolition	Off-Highway Tractors	1	4.00	124	0.44
1 Demolition	Off-Highway Trucks	2	4.00	402	0.38
1 Demolition	Rough Terrain Forklifts	1	4.00	100	0.40
1 Demolition	Rubber Tired Dozers	2	4.00	247	0.40
1 Demolition	Rubber Tired Loaders	2	4.00	203	0.36
1 Demolition	Skid Steer Loaders	2	4.00	65	0.37
1 Demolition	Sweepers/Scrubbers	1	4.00	64	0.46
1 Demolition	Tractors/Loaders/Backhoes	2	4.00	97	0.37
2 Grading	Crawler Tractors	2	4.00	212	0.43
2 Grading	Excavators	2	4.00	158	0.38
2 Grading	Graders	1	4.00	187	0.41
2 Grading	Off-Highway Tractors	1	4.00	124	0.44
2 Grading	Off-Highway Trucks	2	4.00	402	0.38
2 Grading	Rubber Tired Dozers	1	4.00	247	0.40
2 Grading	Rubber Tired Loaders	1	4.00	203	0.36
2 Grading	Scrapers	2	4.00	367	0.48
2 Grading	Tractors/Loaders/Backhoes	2	4.00	97	0.37
3 Building Construction	Aerial Lifts	3	4.00	63	0.31
3 Building Construction	Air Compressors	2	4.00	78	0.48
3 Building Construction	Bore/Drill Rigs	1	4.00	221	0.50
3 Building Construction	Cement and Mortar Mixers	1	4.00	9	0.56
3 Building Construction	Concrete/Industrial Saws	2	4.00	81	0.73
3 Building Construction	Cranes	2	4.00	231	0.29
3 Building Construction	Crawler Tractors	2	4.00	212	0.43
3 Building Construction	Excavators	2	4.00	158	0.38

3 Building Construction	Forklifts	2	4.00	89	0.20
3 Building Construction	Generator Sets	2	4.00	84	0.74
3 Building Construction	Off-Highway Tractors	1	4.00	124	0.44
3 Building Construction	Other Construction Equipment	2	4.00	402	0.38
3 Building Construction	Plate Compactors	2	4.00	8	0.43
3 Building Construction	Pressure Washers	2	4.00	13	0.30
3 Building Construction	Pumps	3	4.00	84	0.74
3 Building Construction	Rollers	1	4.00	80	0.38
3 Building Construction	Rough Terrain Forklifts	2	4.00	100	0.40
3 Building Construction	Skid Steer Loaders	2	4.00	65	0.37
3 Building Construction	Sweepers/Scrubbers	1	4.00	64	0.46
3 Building Construction	Tractors/Loaders/Backhoes	3	4.00	97	0.37
3 Building Construction	Trenchers	2	4.00	78	0.50
3 Building Construction	Welders	3	4.00	46	0.45
3 Building Construction	Welders	3	4.00	46	0.45
4 Paving	Excavators	1	6.00	158	0.38
4 Paving	Graders	1	6.00	187	0.41
4 Paving	Pavers	1	6.00	130	0.42
4 Paving	Paving Equipment	1	6.00	132	0.36
4 Paving	Rollers	1	6.00	80	0.38
5 Architectural Coating	Air Compressors	2	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
1 Demolition	24	60.00	0.00	235.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
2 Grading	14	35.00	0.00	3,277.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
3 Building Construction	46	85.00	39.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
4 Paving	5	13.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
5 Architectural Coating	2	17.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

3.2 1 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					0.8812	0.0000	0.8812	0.1334	0.0000	0.1334			0.0000			0.0000
Off-Road	4.3053	42.7264	32.6659	0.0685		1.9661	1.9661		1.8444	1.8444		6,600.0401	6,600.0401	1.7230		6,643.1140
Total	**4.3053**	**42.7264**	**32.6659**	**0.0685**	**0.8812**	**1.9661**	**2.8473**	**0.1334**	**1.8444**	**1.9778**		**6,600.0401**	**6,600.0401**	**1.7230**		**6,643.1140**

3.2 1 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0197	0.8364	0.1093	3.0400e-003	0.0687	2.5200e-003	0.0712	0.0188	2.4100e-003	0.0212		319.6621	319.6621	0.0149		320.0357
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3372	0.2029	2.5990	5.0200e-003	0.5020	3.0900e-003	0.5051	0.1332	2.8500e-003	0.1360		499.0719	499.0719	0.0214		499.6059
Total	**0.3570**	**1.0393**	**2.7083**	**8.0600e-003**	**0.5707**	**5.6100e-003**	**0.5763**	**0.1520**	**5.2600e-003**	**0.1572**		**818.7340**	**818.7340**	**0.0363**		**819.6416**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.3437	0.0000	0.3437	0.0520	0.0000	0.0520			0.0000			0.0000
Off-Road	0.8656	6.0336	38.8929	0.0685		0.1072	0.1072		0.1072	0.1072	0.0000	6,600.0401	6,600.0401	1.7230		6,643.1140
Total	**0.8656**	**6.0336**	**38.8929**	**0.0685**	**0.3437**	**0.1072**	**0.4509**	**0.0520**	**0.1072**	**0.1592**	**0.0000**	**6,600.0401**	**6,600.0401**	**1.7230**		**6,643.1140**

3.2 1 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0197	0.8364	0.1093	3.0400e-003	0.0687	2.5200e-003	0.0712	0.0188	2.4100e-003	0.0212		319.6621	319.6621	0.0149		320.0357
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3372	0.2029	2.5990	5.0200e-003	0.5020	3.0900e-003	0.5051	0.1332	2.8500e-003	0.1360		499.0719	499.0719	0.0214		499.6059
Total	**0.3570**	**1.0393**	**2.7083**	**8.0600e-003**	**0.5707**	**5.6100e-003**	**0.5763**	**0.1520**	**5.2600e-003**	**0.1572**		**818.7340**	**818.7340**	**0.0363**		**819.6416**

3.3 2 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4226	0.0000	3.4226	1.7021	0.0000	1.7021			0.0000			0.0000
Off-Road	3.5484	38.6429	23.8270	0.0575		1.5742	1.5742		1.4482	1.4482		5,572.5608	5,572.5608	1.8023		5,617.6178
Total	**3.5484**	**38.6429**	**23.8270**	**0.0575**	**3.4226**	**1.5742**	**4.9967**	**1.7021**	**1.4482**	**3.1503**		**5,572.5608**	**5,572.5608**	**1.8023**		**5,617.6178**

3.3 2 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1834	7.7755	1.0165	0.0283	0.6382	0.0235	0.6617	0.1751	0.0224	0.1975		2,971.7237	2,971.7237	0.1389		2,975.1970
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1967	0.1184	1.5161	2.9300e-003	0.2928	1.8000e-003	0.2946	0.0777	1.6600e-003	0.0793		291.1253	291.1253	0.0125		291.4368
Total	**0.3801**	**7.8938**	**2.5326**	**0.0312**	**0.9311**	**0.0253**	**0.9563**	**0.2527**	**0.0241**	**0.2768**		**3,262.8490**	**3,262.8490**	**0.1514**		**3,266.6338**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.3348	0.0000	1.3348	0.6638	0.0000	0.6638			0.0000			0.0000
Off-Road	0.7064	3.0612	29.1620	0.0575		0.0942	0.0942		0.0942	0.0942	0.0000	5,572.5608	5,572.5608	1.8023		5,617.6178
Total	**0.7064**	**3.0612**	**29.1620**	**0.0575**	**1.3348**	**0.0942**	**1.4290**	**0.6638**	**0.0942**	**0.7580**	**0.0000**	**5,572.5608**	**5,572.5608**	**1.8023**		**5,617.6178**

3.3 2 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1834	7.7755	1.0165	0.0283	0.6382	0.0235	0.6617	0.1751	0.0224	0.1975		2,971.7237	2,971.7237	0.1389		2,975.1970
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1967	0.1184	1.5161	2.9300e-003	0.2928	1.8000e-003	0.2946	0.0777	1.6600e-003	0.0793		291.1253	291.1253	0.0125		291.4368
Total	**0.3801**	**7.8938**	**2.5326**	**0.0312**	**0.9311**	**0.0253**	**0.9563**	**0.2527**	**0.0241**	**0.2768**		**3,262.8490**	**3,262.8490**	**0.1514**		**3,266.6338**

3.4 3 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.9086	54.6687	50.1457	0.0950		2.6599	2.6599		2.5260	2.5260		8,984.3051	8,984.3051	2.0897		9,036.5487
Total	**5.9086**	**54.6687**	**50.1457**	**0.0950**		**2.6599**	**2.6599**		**2.5260**	**2.5260**		**8,984.3051**	**8,984.3051**	**2.0897**		**9,036.5487**

3.4 3 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1071	3.4739	0.7755	9.1000e-003	0.1959	6.1700e-003	0.2020	0.0564	5.9000e-003	0.0623		953.3547	953.3547	0.0729		955.1773
Worker	0.4778	0.2874	3.6819	7.1200e-003	0.7112	4.3800e-003	0.7156	0.1886	4.0400e-003	0.1927		707.0186	707.0186	0.0303		707.7750
Total	**0.5848**	**3.7613**	**4.4574**	**0.0162**	**0.9070**	**0.0106**	**0.9176**	**0.2451**	**9.9400e-003**	**0.2550**		**1,660.3733**	**1,660.3733**	**0.1032**		**1,662.9523**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1975	10.2966	56.1026	0.0950		0.1413	0.1413		0.1413	0.1413	0.0000	8,984.3051	8,984.3051	2.0897		9,036.5487
Total	**1.1975**	**10.2966**	**56.1026**	**0.0950**		**0.1413**	**0.1413**		**0.1413**	**0.1413**	**0.0000**	**8,984.3051**	**8,984.3051**	**2.0897**		**9,036.5487**

3.4 3 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1071	3.4739	0.7755	9.1000e-003	0.1959	6.1700e-003	0.2020	0.0564	5.9000e-003	0.0623		953.3547	953.3547	0.0729		955.1773
Worker	0.4778	0.2874	3.6819	7.1200e-003	0.7112	4.3800e-003	0.7156	0.1886	4.0400e-003	0.1927		707.0186	707.0186	0.0303		707.7750
Total	**0.5848**	**3.7613**	**4.4574**	**0.0162**	**0.9070**	**0.0106**	**0.9176**	**0.2451**	**9.9400e-003**	**0.2550**		**1,660.3733**	**1,660.3733**	**0.1032**		**1,662.9523**

3.4 3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.3682	48.6502	49.2563	0.0950		2.2920	2.2920		2.1776	2.1776		8,986.4219	8,986.4219	2.0749		9,038.2944
Total	**5.3682**	**48.6502**	**49.2563**	**0.0950**		**2.2920**	**2.2920**		**2.1776**	**2.1776**		**8,986.4219**	**8,986.4219**	**2.0749**		**9,038.2944**

3.4 3 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0994	3.2924	0.7133	9.0300e-003	0.1959	5.1600e-003	0.2010	0.0564	4.9400e-003	0.0614		945.4698	945.4698	0.0677		947.1610
Worker	0.4452	0.2620	3.3892	6.8500e-003	0.7112	4.2400e-003	0.7154	0.1886	3.9000e-003	0.1925		681.0992	681.0992	0.0275		681.7862
Total	**0.5446**	**3.5543**	**4.1024**	**0.0159**	**0.9070**	**9.4000e-003**	**0.9164**	**0.2451**	**8.8400e-003**	**0.2539**		**1,626.5690**	**1,626.5690**	**0.0951**		**1,628.9472**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1975	10.2966	56.1026	0.0950		0.1413	0.1413		0.1413	0.1413	0.0000	8,986.4219	8,986.4219	2.0749		9,038.2944
Total	**1.1975**	**10.2966**	**56.1026**	**0.0950**		**0.1413**	**0.1413**		**0.1413**	**0.1413**	**0.0000**	**8,986.4219**	**8,986.4219**	**2.0749**		**9,038.2944**

3.4 3 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0994	3.2924	0.7133	9.0300e-003	0.1959	5.1600e-003	0.2010	0.0564	4.9400e-003	0.0614		945.4698	945.4698	0.0677		947.1610
Worker	0.4452	0.2620	3.3892	6.8500e-003	0.7112	4.2400e-003	0.7154	0.1886	3.9000e-003	0.1925		681.0992	681.0992	0.0275		681.7862
Total	**0.5446**	**3.5543**	**4.1024**	**0.0159**	**0.9070**	**9.4000e-003**	**0.9164**	**0.2451**	**8.8400e-003**	**0.2539**		**1,626.5690**	**1,626.5690**	**0.0951**		**1,628.9472**

3.4 3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.0036	44.6304	48.8748	0.0950		2.0257	2.0257		1.9235	1.9235		8,988.1568	8,988.1568	2.0566		9,039.5715
Total	**5.0036**	**44.6304**	**48.8748**	**0.0950**		**2.0257**	**2.0257**		**1.9235**	**1.9235**		**8,988.1568**	**8,988.1568**	**2.0566**		**9,039.5715**

3.4 3 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0786	2.5780	0.6277	8.8200e-003	0.1959	2.0500e-003	0.1979	0.0564	1.9600e-003	0.0584		924.0170	924.0170	0.0482		925.2208
Worker	0.4164	0.2398	3.1294	6.5900e-003	0.7112	4.1200e-003	0.7153	0.1886	3.7900e-003	0.1924		655.1924	655.1924	0.0250		655.8180
Total	**0.4950**	**2.8177**	**3.7571**	**0.0154**	**0.9070**	**6.1700e-003**	**0.9132**	**0.2451**	**5.7500e-003**	**0.2508**		**1,579.2093**	**1,579.2093**	**0.0732**		**1,581.0388**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1975	10.2966	56.1026	0.0950		0.1413	0.1413		0.1413	0.1413	0.0000	8,988.1568	8,988.1568	2.0566		9,039.5715
Total	**1.1975**	**10.2966**	**56.1026**	**0.0950**		**0.1413**	**0.1413**		**0.1413**	**0.1413**	**0.0000**	**8,988.1568**	**8,988.1568**	**2.0566**		**9,039.5715**

3.4 3 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0786	2.5780	0.6277	8.8200e-003	0.1959	2.0500e-003	0.1979	0.0564	1.9600e-003	0.0584		924.0170	924.0170	0.0482		925.2208
Worker	0.4164	0.2398	3.1294	6.5900e-003	0.7112	4.1200e-003	0.7153	0.1886	3.7900e-003	0.1924		655.1924	655.1924	0.0250		655.8180
Total	**0.4950**	**2.8177**	**3.7571**	**0.0154**	**0.9070**	**6.1700e-003**	**0.9132**	**0.2451**	**5.7500e-003**	**0.2508**		**1,579.2093**	**1,579.2093**	**0.0732**		**1,581.0388**

3.5 4 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9825	10.9031	9.2742	0.0174		0.4733	0.4733		0.4354	0.4354		1,684.1111	1,684.1111	0.5447		1,697.7280
Paving	0.0542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0366**	**10.9031**	**9.2742**	**0.0174**		**0.4733**	**0.4733**		**0.4354**	**0.4354**		**1,684.1111**	**1,684.1111**	**0.5447**		**1,697.7280**

3.5 4 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0731	0.0440	0.5631	1.0900e-003	0.1088	6.7000e-004	0.1094	0.0289	6.2000e-004	0.0295		108.1323	108.1323	4.6300e-003		108.2479
Total	**0.0731**	**0.0440**	**0.5631**	**1.0900e-003**	**0.1088**	**6.7000e-004**	**0.1094**	**0.0289**	**6.2000e-004**	**0.0295**		**108.1323**	**108.1323**	**4.6300e-003**		**108.2479**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2137	0.9259	11.6556	0.0174		0.0285	0.0285		0.0285	0.0285	0.0000	1,684.1111	1,684.1111	0.5447		1,697.7280
Paving	0.0542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.2678**	**0.9259**	**11.6556**	**0.0174**		**0.0285**	**0.0285**		**0.0285**	**0.0285**	**0.0000**	**1,684.1111**	**1,684.1111**	**0.5447**		**1,697.7280**

3.5 4 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0731	0.0440	0.5631	1.0900e-003	0.1088	6.7000e-004	0.1094	0.0289	6.2000e-004	0.0295		108.1323	108.1323	4.6300e-003		108.2479
Total	**0.0731**	**0.0440**	**0.5631**	**1.0900e-003**	**0.1088**	**6.7000e-004**	**0.1094**	**0.0289**	**6.2000e-004**	**0.0295**		**108.1323**	**108.1323**	**4.6300e-003**		**108.2479**

3.6 5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	35.5230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3833	2.6060	3.6222	5.9400e-003		0.1416	0.1416		0.1416	0.1416		562.8961	562.8961	0.0337		563.7380
Total	**35.9063**	**2.6060**	**3.6222**	**5.9400e-003**		**0.1416**	**0.1416**		**0.1416**	**0.1416**		**562.8961**	**562.8961**	**0.0337**		**563.7380**

3.6 5 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0833	0.0480	0.6259	1.3200e-003	0.1422	8.2000e-004	0.1431	0.0377	7.6000e-004	0.0385		131.0385	131.0385	5.0100e-003		131.1636
Total	**0.0833**	**0.0480**	**0.6259**	**1.3200e-003**	**0.1422**	**8.2000e-004**	**0.1431**	**0.0377**	**7.6000e-004**	**0.0385**		**131.0385**	**131.0385**	**5.0100e-003**		**131.1636**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	35.5230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0337		563.7380
Total	**35.5824**	**0.2575**	**3.6648**	**5.9400e-003**		**7.9200e-003**	**7.9200e-003**		**7.9200e-003**	**7.9200e-003**	**0.0000**	**562.8961**	**562.8961**	**0.0337**		**563.7380**

3.6 5 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0833	0.0480	0.6259	1.3200e-003	0.1422	8.2000e-004	0.1431	0.0377	7.6000e-004	0.0385		131.0385	131.0385	5.0100e-003		131.1636
Total	**0.0833**	**0.0480**	**0.6259**	**1.3200e-003**	**0.1422**	**8.2000e-004**	**0.1431**	**0.0377**	**7.6000e-004**	**0.0385**		**131.0385**	**131.0385**	**5.0100e-003**		**131.1636**

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	3.4991	22.6325	36.4808	0.1409	8.8654	0.0647	8.9302	2.3786	0.0604	2.4390		14,451.1730	14,451.1730	0.7451		14,469.7993
Unmitigated	3.4991	22.6325	36.4808	0.1409	8.8654	0.0647	8.9302	2.3786	0.0604	2.4390		14,451.1730	14,451.1730	0.7451		14,469.7993

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	483.79	122.19	52.15	790,629	790,629
Hospital	1,091.01	1,001.22	884.37	2,969,786	2,969,786
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	1,574.80	1,123.41	936.52	3,760,416	3,760,416

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
General Office Building	12.50	4.20	5.40	33.00	48.00	19.00	77	19	4
Hospital	12.50	4.20	5.40	64.90	16.10	19.00	73	25	2
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	12.50	4.20	5.40	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
General Office Building	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Hospital	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Other Asphalt Surfaces	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Other Non-Asphalt Surfaces	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2305	2.0951	1.7598	0.0126		0.1592	0.1592		0.1592	0.1592		2,514.0579	2,514.0579	0.0482	0.0461	2,528.9976
NaturalGas Unmitigated	0.2305	2.0951	1.7598	0.0126		0.1592	0.1592		0.1592	0.1592		2,514.0579	2,514.0579	0.0482	0.0461	2,528.9976

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	472.177	5.0900e-003	0.0463	0.0389	2.8000e-004		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003		55.5502	55.5502	1.0600e-003	1.0200e-003	55.8803
Hospital	20897.3	0.2254	2.0488	1.7210	0.0123		0.1557	0.1557		0.1557	0.1557		2,458.5077	2,458.5077	0.0471	0.0451	2,473.1173
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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		**0.2305**	**2.0951**	**1.7599**	**0.0126**		**0.1592**	**0.1592**		**0.1592**	**0.1592**		**2,514.0579**	**2,514.0579**	**0.0482**	**0.0461**	**2,528.9977**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.472177	5.0900e-003	0.0463	0.0389	2.8000e-004		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003		55.5502	55.5502	1.0600e-003	1.0200e-003	55.8803
Hospital	20.8973	0.2254	2.0488	1.7210	0.0123		0.1557	0.1557		0.1557	0.1557		2,458.5077	2,458.5077	0.0471	0.0451	2,473.1173
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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		**0.2305**	**2.0951**	**1.7599**	**0.0126**		**0.1592**	**0.1592**		**0.1592**	**0.1592**		**2,514.0579**	**2,514.0579**	**0.0482**	**0.0461**	**2,528.9977**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.8415	2.4000e-004	0.0265	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0569	0.0569	1.5000e-004		0.0606
Unmitigated	3.8415	2.4000e-004	0.0265	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0569	0.0569	1.5000e-004		0.0606

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	0.5839					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.2551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4400e-003	2.4000e-004	0.0265	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0569	0.0569	1.5000e-004		0.0606
Total	**3.8415**	**2.4000e-004**	**0.0265**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0569**	**0.0569**	**1.5000e-004**		**0.0606**

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	0.5839					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.2551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4400e-003	2.4000e-004	0.0265	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0569	0.0569	1.5000e-004		0.0606
Total	**3.8415**	**2.4000e-004**	**0.0265**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0569**	**0.0569**	**1.5000e-004**		**0.0606**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

Betty Ford Center, Less Intense Alt.

Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	49.67	1000sqft	1.14	49,667.00	0
Hospital	123.00	Bed	23.08	101,000.00	0
Other Asphalt Surfaces	53.88	1000sqft	1.24	53,877.00	0
Other Non-Asphalt Surfaces	33.25	1000sqft	0.76	33,252.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Betty Ford Center, Less Intense Alt. - Salton Sea Air Basin, Winter

Project Characteristics - Assumes a 4 year buildout, starting in 2021 and ending 2024.

Land Use - Less intense remodel, 123 beds total. Total SF = 150,667.

Construction Phase - Project will be developed in phases over a 4 year period. For analysis purposes, it is assumed that buildout would occur in one consective phase for approximately 2.5 years.

Off-road Equipment - Construction equipment provided by project proponent.

Off-road Equipment - Equipment listed provided by project proponent.

Off-road Equipment -

Off-road Equipment - Equipment list provided by project proponent.

Off-road Equipment - Equipment list provided by project proponent.

Off-road Equipment - Equipment list provided by project proponent.

Trips and VMT -

On-road Fugitive Dust - All roads will be paved.

Demolition -

Grading - Import/Export based on preliminary grading plans. Includes removal of asphalt and concrete.

Architectural Coating - Low VOC coatings per SQAQMD Rule 1113.

Vehicle Trips - Hospital daily trip rate based on 12/11/19 traffic counts; Office daily trip rate based on Traffic Report, ITE 10th Edition.

Road Dust - All roads will be paved.

Landscape Equipment - Project is located in a desert environment with higher than average temperature.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard/required PM10 control measures per SCAQMD Rule 403.1. All equipment fitted with Tier 4 engines

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	125.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	125.00
tblArchitecturalCoating	EF_Parking	150.00	125.00
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5

Betty Ford Center, Less Intense Alt. - Salton Sea Air Basin, Winter

tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	45.00	90.00
tblConstructionPhase	NumDays	440.00	450.00
tblConstructionPhase	NumDays	35.00	60.00
tblConstructionPhase	NumDays	35.00	50.00
tblGrading	AcresOfGrading	157.50	30.00
tblGrading	MaterialExported	0.00	26,217.00
tblLandUse	LandUseSquareFeet	49,670.00	49,667.00
tblLandUse	LandUseSquareFeet	88,038.18	101,000.00
tblLandUse	LandUseSquareFeet	53,880.00	53,877.00
tblLandUse	LandUseSquareFeet	33,250.00	33,252.00
tblLandUse	LotAcreage	2.02	23.08
tblOffRoadEquipment	HorsePower	172.00	402.00
tblOffRoadEquipment	LoadFactor	0.42	0.38
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00

tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	12.94	8.87

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	10.3226	105.0789	79.8345	0.1970	5.2606	4.2706	9.5313	2.1999	4.0090	6.2088	0.0000	19,184.5232	19,184.5232	4.1633	0.0000	19,288.6061
2022	5.8436	52.1781	52.5289	0.1093	0.9070	2.3017	3.2087	0.2451	2.1867	2.4317	0.0000	10,456.3078	10,456.3078	2.1730	0.0000	10,510.6325
2023	41.4101	50.0733	55.9033	0.1160	1.0493	2.1744	3.2237	0.2828	2.0717	2.3545	0.0000	11,089.3307	11,089.3307	2.1683	0.0000	11,143.5375
Maximum	**41.4101**	**105.0789**	**79.8345**	**0.1970**	**5.2606**	**4.2706**	**9.5313**	**2.1999**	**4.0090**	**6.2088**	**0.0000**	**19,184.5232**	**19,184.5232**	**4.1633**	**0.0000**	**19,288.6061**

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	2.7695	25.1251	91.1265	0.1970	3.1729	0.2721	3.4449	1.1616	0.2703	1.4319	0.0000	19,184.5232	19,184.5232	4.1633	0.0000	19,288.6061
2022	1.6728	13.8246	59.3752	0.1093	0.9070	0.1510	1.0580	0.2451	0.1504	0.3955	0.0000	10,456.3078	10,456.3078	2.1730	0.0000	10,510.6325
2023	37.2800	13.3910	63.1737	0.1160	1.0493	0.1563	1.2056	0.2828	0.1558	0.4386	0.0000	11,089.3307	11,089.3307	2.1683	0.0000	11,143.5375
Maximum	**37.2800**	**25.1251**	**91.1265**	**0.1970**	**3.1729**	**0.2721**	**3.4449**	**1.1616**	**0.2703**	**1.4319**	**0.0000**	**19,184.5232**	**19,184.5232**	**4.1633**	**0.0000**	**19,288.6061**

Betty Ford Center, Less Intense Alt. - Salton Sea Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**27.54**	**74.75**	**-13.50**	**0.00**	**28.93**	**93.38**	**64.24**	**38.06**	**93.03**	**79.39**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.8415	2.4000e-004	0.0265	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0569	0.0569	1.5000e-004		0.0606
Energy	0.2305	2.0951	1.7598	0.0126		0.1592	0.1592		0.1592	0.1592		2,514.0579	2,514.0579	0.0482	0.0461	2,528.9976
Mobile	2.5454	22.4151	29.0821	0.1267	8.8654	0.0653	8.9308	2.3786	0.0610	2.4396		13,017.5026	13,017.5026	0.7506		13,036.2685
Total	**6.6174**	**24.5104**	**30.8684**	**0.1393**	**8.8654**	**0.2246**	**9.0901**	**2.3786**	**0.2203**	**2.5989**		**15,531.6173**	**15,531.6173**	**0.7990**	**0.0461**	**15,565.3267**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.8415	2.4000e-004	0.0265	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0569	0.0569	1.5000e-004		0.0606
Energy	0.2305	2.0951	1.7598	0.0126		0.1592	0.1592		0.1592	0.1592		2,514.0579	2,514.0579	0.0482	0.0461	2,528.9976
Mobile	2.5454	22.4151	29.0821	0.1267	8.8654	0.0653	8.9308	2.3786	0.0610	2.4396		13,017.5026	13,017.5026	0.7506		13,036.2685
Total	**6.6174**	**24.5104**	**30.8684**	**0.1393**	**8.8654**	**0.2246**	**9.0901**	**2.3786**	**0.2203**	**2.5989**		**15,531.6173**	**15,531.6173**	**0.7990**	**0.0461**	**15,565.3267**

	ROG	NOx	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**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	1 Demolition	Demolition	1/1/2021	3/25/2021	5	60	
2	2 Grading	Grading	3/26/2021	7/29/2021	5	90	
3	3 Building Construction	Building Construction	6/18/2021	3/9/2023	5	450	
4	4 Paving	Paving	7/30/2021	10/21/2021	5	60	
5	5 Architectural Coating	Architectural Coating	2/1/2023	4/11/2023	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 226,001; Non-Residential Outdoor: 75,334; Striped Parking Area: 5,228 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
1 Demolition	Aerial Lifts	2	4.00	63	0.31
1 Demolition	Concrete/Industrial Saws	2	4.00	81	0.73
1 Demolition	Cranes	1	4.00	231	0.29
1 Demolition	Crawler Tractors	1	4.00	212	0.43
1 Demolition	Crushing/Proc. Equipment	1	4.00	85	0.78

1 Demolition	Excavators	2	4.00	158	0.38
1 Demolition	Generator Sets	2	4.00	84	0.74
1 Demolition	Off-Highway Tractors	1	4.00	124	0.44
1 Demolition	Off-Highway Trucks	2	4.00	402	0.38
1 Demolition	Rough Terrain Forklifts	1	4.00	100	0.40
1 Demolition	Rubber Tired Dozers	2	4.00	247	0.40
1 Demolition	Rubber Tired Loaders	2	4.00	203	0.36
1 Demolition	Skid Steer Loaders	2	4.00	65	0.37
1 Demolition	Sweepers/Scrubbers	1	4.00	64	0.46
1 Demolition	Tractors/Loaders/Backhoes	2	4.00	97	0.37
2 Grading	Crawler Tractors	2	4.00	212	0.43
2 Grading	Excavators	2	4.00	158	0.38
2 Grading	Graders	1	4.00	187	0.41
2 Grading	Off-Highway Tractors	1	4.00	124	0.44
2 Grading	Off-Highway Trucks	2	4.00	402	0.38
2 Grading	Rubber Tired Dozers	1	4.00	247	0.40
2 Grading	Rubber Tired Loaders	1	4.00	203	0.36
2 Grading	Scrapers	2	4.00	367	0.48
2 Grading	Tractors/Loaders/Backhoes	2	4.00	97	0.37
3 Building Construction	Aerial Lifts	3	4.00	63	0.31
3 Building Construction	Air Compressors	2	4.00	78	0.48
3 Building Construction	Bore/Drill Rigs	1	4.00	221	0.50
3 Building Construction	Cement and Mortar Mixers	1	4.00	9	0.56
3 Building Construction	Concrete/Industrial Saws	2	4.00	81	0.73
3 Building Construction	Cranes	2	4.00	231	0.29
3 Building Construction	Crawler Tractors	2	4.00	212	0.43
3 Building Construction	Excavators	2	4.00	158	0.38

3 Building Construction	Forklifts	2	4.00	89	0.20
3 Building Construction	Generator Sets	2	4.00	84	0.74
3 Building Construction	Off-Highway Tractors	1	4.00	124	0.44
3 Building Construction	Other Construction Equipment	2	4.00	402	0.38
3 Building Construction	Plate Compactors	2	4.00	8	0.43
3 Building Construction	Pressure Washers	2	4.00	13	0.30
3 Building Construction	Pumps	3	4.00	84	0.74
3 Building Construction	Rollers	1	4.00	80	0.38
3 Building Construction	Rough Terrain Forklifts	2	4.00	100	0.40
3 Building Construction	Skid Steer Loaders	2	4.00	65	0.37
3 Building Construction	Sweepers/Scrubbers	1	4.00	64	0.46
3 Building Construction	Tractors/Loaders/Backhoes	3	4.00	97	0.37
3 Building Construction	Trenchers	2	4.00	78	0.50
3 Building Construction	Welders	3	4.00	46	0.45
3 Building Construction	Welders	3	4.00	46	0.45
4 Paving	Excavators	1	6.00	158	0.38
4 Paving	Graders	1	6.00	187	0.41
4 Paving	Pavers	1	6.00	130	0.42
4 Paving	Paving Equipment	1	6.00	132	0.36
4 Paving	Rollers	1	6.00	80	0.38
5 Architectural Coating	Air Compressors	2	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
1 Demolition	24	60.00	0.00	235.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
2 Grading	14	35.00	0.00	3,277.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
3 Building Construction	46	85.00	39.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
4 Paving	5	13.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
5 Architectural Coating	2	17.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

3.2 1 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					0.8812	0.0000	0.8812	0.1334	0.0000	0.1334			0.0000			0.0000
Off-Road	4.3053	42.7264	32.6659	0.0685		1.9661	1.9661		1.8444	1.8444		6,600.0401	6,600.0401	1.7230		6,643.1140
Total	**4.3053**	**42.7264**	**32.6659**	**0.0685**	**0.8812**	**1.9661**	**2.8473**	**0.1334**	**1.8444**	**1.9778**		**6,600.0401**	**6,600.0401**	**1.7230**		**6,643.1140**

3.2 1 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0209	0.8502	0.1315	2.9500e-003	0.0687	2.5700e-003	0.0712	0.0188	2.4600e-003	0.0213		310.1862	310.1862	0.0167		310.6042
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2789	0.2089	1.8550	4.2200e-003	0.5020	3.0900e-003	0.5051	0.1332	2.8500e-003	0.1360		419.3453	419.3453	0.0169		419.7680
Total	**0.2999**	**1.0592**	**1.9865**	**7.1700e-003**	**0.5707**	**5.6600e-003**	**0.5763**	**0.1520**	**5.3100e-003**	**0.1573**		**729.5315**	**729.5315**	**0.0336**		**730.3722**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.3437	0.0000	0.3437	0.0520	0.0000	0.0520			0.0000			0.0000
Off-Road	0.8656	6.0336	38.8929	0.0685		0.1072	0.1072		0.1072	0.1072	0.0000	6,600.0401	6,600.0401	1.7230		6,643.1140
Total	**0.8656**	**6.0336**	**38.8929**	**0.0685**	**0.3437**	**0.1072**	**0.4509**	**0.0520**	**0.1072**	**0.1592**	**0.0000**	**6,600.0401**	**6,600.0401**	**1.7230**		**6,643.1140**

3.2 1 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0209	0.8502	0.1315	2.9500e-003	0.0687	2.5700e-003	0.0712	0.0188	2.4600e-003	0.0213		310.1862	310.1862	0.0167		310.6042
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2789	0.2089	1.8550	4.2200e-003	0.5020	3.0900e-003	0.5051	0.1332	2.8500e-003	0.1360		419.3453	419.3453	0.0169		419.7680
Total	**0.2999**	**1.0592**	**1.9865**	**7.1700e-003**	**0.5707**	**5.6600e-003**	**0.5763**	**0.1520**	**5.3100e-003**	**0.1573**		**729.5315**	**729.5315**	**0.0336**		**730.3722**

3.3 2 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4226	0.0000	3.4226	1.7021	0.0000	1.7021			0.0000			0.0000
Off-Road	3.5484	38.6429	23.8270	0.0575		1.5742	1.5742		1.4482	1.4482		5,572.5608	5,572.5608	1.8023		5,617.6178
Total	**3.5484**	**38.6429**	**23.8270**	**0.0575**	**3.4226**	**1.5742**	**4.9967**	**1.7021**	**1.4482**	**3.1503**		**5,572.5608**	**5,572.5608**	**1.8023**		**5,617.6178**

3.3 2 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1945	7.9042	1.2221	0.0274	0.6382	0.0239	0.6621	0.1751	0.0229	0.1980		2,883.6316	2,883.6316	0.1554		2,887.5176
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1627	0.1219	1.0821	2.4600e-003	0.2928	1.8000e-003	0.2946	0.0777	1.6600e-003	0.0793		244.6181	244.6181	9.8600e-003		244.8647
Total	**0.3573**	**8.0261**	**2.3042**	**0.0299**	**0.9311**	**0.0257**	**0.9568**	**0.2527**	**0.0246**	**0.2773**		**3,128.2497**	**3,128.2497**	**0.1653**		**3,132.3823**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.3348	0.0000	1.3348	0.6638	0.0000	0.6638			0.0000			0.0000
Off-Road	0.7064	3.0612	29.1620	0.0575		0.0942	0.0942		0.0942	0.0942	0.0000	5,572.5608	5,572.5608	1.8023		5,617.6178
Total	**0.7064**	**3.0612**	**29.1620**	**0.0575**	**1.3348**	**0.0942**	**1.4290**	**0.6638**	**0.0942**	**0.7580**	**0.0000**	**5,572.5608**	**5,572.5608**	**1.8023**		**5,617.6178**

3.3 2 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1945	7.9042	1.2221	0.0274	0.6382	0.0239	0.6621	0.1751	0.0229	0.1980		2,883.6316	2,883.6316	0.1554		2,887.5176
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1627	0.1219	1.0821	2.4600e-003	0.2928	1.8000e-003	0.2946	0.0777	1.6600e-003	0.0793		244.6181	244.6181	9.8600e-003		244.8647
Total	**0.3573**	**8.0261**	**2.3042**	**0.0299**	**0.9311**	**0.0257**	**0.9568**	**0.2527**	**0.0246**	**0.2773**		**3,128.2497**	**3,128.2497**	**0.1653**		**3,132.3823**

3.4 3 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.9086	54.6687	50.1457	0.0950		2.6599	2.6599		2.5260	2.5260		8,984.3051	8,984.3051	2.0897		9,036.5487
Total	**5.9086**	**54.6687**	**50.1457**	**0.0950**		**2.6599**	**2.6599**		**2.5260**	**2.5260**		**8,984.3051**	**8,984.3051**	**2.0897**		**9,036.5487**

3.4 3 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1132	3.4452	0.9297	8.6500e-003	0.1959	6.4600e-003	0.2023	0.0564	6.1800e-003	0.0626		905.3351	905.3351	0.0820		907.3860
Worker	0.3952	0.2960	2.6280	5.9700e-003	0.7112	4.3800e-003	0.7156	0.1886	4.0400e-003	0.1927		594.0725	594.0725	0.0240		594.6714
Total	**0.5083**	**3.7412**	**3.5576**	**0.0146**	**0.9070**	**0.0108**	**0.9179**	**0.2451**	**0.0102**	**0.2553**		**1,499.4077**	**1,499.4077**	**0.1060**		**1,502.0574**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1975	10.2966	56.1026	0.0950		0.1413	0.1413		0.1413	0.1413	0.0000	8,984.3051	8,984.3051	2.0897		9,036.5487
Total	**1.1975**	**10.2966**	**56.1026**	**0.0950**		**0.1413**	**0.1413**		**0.1413**	**0.1413**	**0.0000**	**8,984.3051**	**8,984.3051**	**2.0897**		**9,036.5487**

3.4 3 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1132	3.4452	0.9297	8.6500e-003	0.1959	6.4600e-003	0.2023	0.0564	6.1800e-003	0.0626		905.3351	905.3351	0.0820		907.3860
Worker	0.3952	0.2960	2.6280	5.9700e-003	0.7112	4.3800e-003	0.7156	0.1886	4.0400e-003	0.1927		594.0725	594.0725	0.0240		594.6714
Total	**0.5083**	**3.7412**	**3.5576**	**0.0146**	**0.9070**	**0.0108**	**0.9179**	**0.2451**	**0.0102**	**0.2553**		**1,499.4077**	**1,499.4077**	**0.1060**		**1,502.0574**

3.4 3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.3682	48.6502	49.2563	0.0950		2.2920	2.2920		2.1776	2.1776		8,986.4219	8,986.4219	2.0749		9,038.2944
Total	**5.3682**	**48.6502**	**49.2563**	**0.0950**		**2.2920**	**2.2920**		**2.1776**	**2.1776**		**8,986.4219**	**8,986.4219**	**2.0749**		**9,038.2944**

3.4 3 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1053	3.2585	0.8596	8.5700e-003	0.1959	5.4400e-003	0.2013	0.0564	5.2000e-003	0.0616		897.5342	897.5342	0.0763		899.4408
Worker	0.3701	0.2694	2.4130	5.7500e-003	0.7112	4.2400e-003	0.7154	0.1886	3.9000e-003	0.1925		572.3517	572.3517	0.0218		572.8973
Total	**0.4753**	**3.5280**	**3.2726**	**0.0143**	**0.9070**	**9.6800e-003**	**0.9167**	**0.2451**	**9.1000e-003**	**0.2542**		**1,469.8859**	**1,469.8859**	**0.0981**		**1,472.3381**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1975	10.2966	56.1026	0.0950		0.1413	0.1413		0.1413	0.1413	0.0000	8,986.4219	8,986.4219	2.0749		9,038.2944
Total	**1.1975**	**10.2966**	**56.1026**	**0.0950**		**0.1413**	**0.1413**		**0.1413**	**0.1413**	**0.0000**	**8,986.4219**	**8,986.4219**	**2.0749**		**9,038.2944**

3.4 3 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1053	3.2585	0.8596	8.5700e-003	0.1959	5.4400e-003	0.2013	0.0564	5.2000e-003	0.0616		897.5342	897.5342	0.0763		899.4408
Worker	0.3701	0.2694	2.4130	5.7500e-003	0.7112	4.2400e-003	0.7154	0.1886	3.9000e-003	0.1925		572.3517	572.3517	0.0218		572.8973
Total	**0.4753**	**3.5280**	**3.2726**	**0.0143**	**0.9070**	**9.6800e-003**	**0.9167**	**0.2451**	**9.1000e-003**	**0.2542**		**1,469.8859**	**1,469.8859**	**0.0981**		**1,472.3381**

3.4 3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.0036	44.6304	48.8748	0.0950		2.0257	2.0257		1.9235	1.9235		8,988.1568	8,988.1568	2.0566		9,039.5715
Total	**5.0036**	**44.6304**	**48.8748**	**0.0950**		**2.0257**	**2.0257**		**1.9235**	**1.9235**		**8,988.1568**	**8,988.1568**	**2.0566**		**9,039.5715**

3.4 3 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0828	2.5413	0.7383	8.3800e-003	0.1959	2.1300e-003	0.1980	0.0564	2.0400e-003	0.0585		877.5068	877.5068	0.0541		878.8588
Worker	0.3478	0.2463	2.2233	5.5300e-003	0.7112	4.1200e-003	0.7153	0.1886	3.7900e-003	0.1924		550.6425	550.6425	0.0199		551.1411
Total	**0.4306**	**2.7876**	**2.9616**	**0.0139**	**0.9070**	**6.2500e-003**	**0.9133**	**0.2451**	**5.8300e-003**	**0.2509**		**1,428.1493**	**1,428.1493**	**0.0740**		**1,429.9998**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1975	10.2966	56.1026	0.0950		0.1413	0.1413		0.1413	0.1413	0.0000	8,988.1568	8,988.1568	2.0566		9,039.5715
Total	**1.1975**	**10.2966**	**56.1026**	**0.0950**		**0.1413**	**0.1413**		**0.1413**	**0.1413**	**0.0000**	**8,988.1568**	**8,988.1568**	**2.0566**		**9,039.5715**

3.4 3 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0828	2.5413	0.7383	8.3800e-003	0.1959	2.1300e-003	0.1980	0.0564	2.0400e-003	0.0585		877.5068	877.5068	0.0541		878.8588
Worker	0.3478	0.2463	2.2233	5.5300e-003	0.7112	4.1200e-003	0.7153	0.1886	3.7900e-003	0.1924		550.6425	550.6425	0.0199		551.1411
Total	**0.4306**	**2.7876**	**2.9616**	**0.0139**	**0.9070**	**6.2500e-003**	**0.9133**	**0.2451**	**5.8300e-003**	**0.2509**		**1,428.1493**	**1,428.1493**	**0.0740**		**1,429.9998**

3.5 4 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9825	10.9031	9.2742	0.0174		0.4733	0.4733		0.4354	0.4354		1,684.1111	1,684.1111	0.5447		1,697.7280
Paving	0.0542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0366**	**10.9031**	**9.2742**	**0.0174**		**0.4733**	**0.4733**		**0.4354**	**0.4354**		**1,684.1111**	**1,684.1111**	**0.5447**		**1,697.7280**

3.5 4 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0604	0.0453	0.4019	9.1000e-004	0.1088	6.7000e-004	0.1094	0.0289	6.2000e-004	0.0295		90.8582	90.8582	3.6600e-003		90.9497
Total	**0.0604**	**0.0453**	**0.4019**	**9.1000e-004**	**0.1088**	**6.7000e-004**	**0.1094**	**0.0289**	**6.2000e-004**	**0.0295**		**90.8582**	**90.8582**	**3.6600e-003**		**90.9497**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2137	0.9259	11.6556	0.0174		0.0285	0.0285		0.0285	0.0285	0.0000	1,684.1111	1,684.1111	0.5447		1,697.7280
Paving	0.0542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.2678**	**0.9259**	**11.6556**	**0.0174**		**0.0285**	**0.0285**		**0.0285**	**0.0285**	**0.0000**	**1,684.1111**	**1,684.1111**	**0.5447**		**1,697.7280**

3.5 4 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0604	0.0453	0.4019	9.1000e-004	0.1088	6.7000e-004	0.1094	0.0289	6.2000e-004	0.0295		90.8582	90.8582	3.6600e-003		90.9497
Total	**0.0604**	**0.0453**	**0.4019**	**9.1000e-004**	**0.1088**	**6.7000e-004**	**0.1094**	**0.0289**	**6.2000e-004**	**0.0295**		**90.8582**	**90.8582**	**3.6600e-003**		**90.9497**

3.6 5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	35.5230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3833	2.6060	3.6222	5.9400e-003		0.1416	0.1416		0.1416	0.1416		562.8961	562.8961	0.0337		563.7380
Total	**35.9063**	**2.6060**	**3.6222**	**5.9400e-003**		**0.1416**	**0.1416**		**0.1416**	**0.1416**		**562.8961**	**562.8961**	**0.0337**		**563.7380**

3.6 5 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0696	0.0493	0.4447	1.1100e-003	0.1422	8.2000e-004	0.1431	0.0377	7.6000e-004	0.0385		110.1285	110.1285	3.9900e-003		110.2282
Total	**0.0696**	**0.0493**	**0.4447**	**1.1100e-003**	**0.1422**	**8.2000e-004**	**0.1431**	**0.0377**	**7.6000e-004**	**0.0385**		**110.1285**	**110.1285**	**3.9900e-003**		**110.2282**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	35.5230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0337		563.7380
Total	**35.5824**	**0.2575**	**3.6648**	**5.9400e-003**		**7.9200e-003**	**7.9200e-003**		**7.9200e-003**	**7.9200e-003**	**0.0000**	**562.8961**	**562.8961**	**0.0337**		**563.7380**

3.6 5 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0696	0.0493	0.4447	1.1100e-003	0.1422	8.2000e-004	0.1431	0.0377	7.6000e-004	0.0385		110.1285	110.1285	3.9900e-003		110.2282
Total	**0.0696**	**0.0493**	**0.4447**	**1.1100e-003**	**0.1422**	**8.2000e-004**	**0.1431**	**0.0377**	**7.6000e-004**	**0.0385**		**110.1285**	**110.1285**	**3.9900e-003**		**110.2282**

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	2.5454	22.4151	29.0821	0.1267	8.8654	0.0653	8.9308	2.3786	0.0610	2.4396		13,017.5026	13,017.5026	0.7506		13,036.2685
Unmitigated	2.5454	22.4151	29.0821	0.1267	8.8654	0.0653	8.9308	2.3786	0.0610	2.4396		13,017.5026	13,017.5026	0.7506		13,036.2685

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	483.79	122.19	52.15	790,629	790,629
Hospital	1,091.01	1,001.22	884.37	2,969,786	2,969,786
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	1,574.80	1,123.41	936.52	3,760,416	3,760,416

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
General Office Building	12.50	4.20	5.40	33.00	48.00	19.00	77	19	4
Hospital	12.50	4.20	5.40	64.90	16.10	19.00	73	25	2
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	12.50	4.20	5.40	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
General Office Building	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Hospital	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Other Asphalt Surfaces	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Other Non-Asphalt Surfaces	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2305	2.0951	1.7598	0.0126		0.1592	0.1592		0.1592	0.1592		2,514.0579	2,514.0579	0.0482	0.0461	2,528.9976
NaturalGas Unmitigated	0.2305	2.0951	1.7598	0.0126		0.1592	0.1592		0.1592	0.1592		2,514.0579	2,514.0579	0.0482	0.0461	2,528.9976

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	472.177	5.0900e-003	0.0463	0.0389	2.8000e-004		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003		55.5502	55.5502	1.0600e-003	1.0200e-003	55.8803
Hospital	20897.3	0.2254	2.0488	1.7210	0.0123		0.1557	0.1557		0.1557	0.1557		2,458.5077	2,458.5077	0.0471	0.0451	2,473.1173
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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		**0.2305**	**2.0951**	**1.7599**	**0.0126**		**0.1592**	**0.1592**		**0.1592**	**0.1592**		**2,514.0579**	**2,514.0579**	**0.0482**	**0.0461**	**2,528.9977**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.472177	5.0900e-003	0.0463	0.0389	2.8000e-004		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003		55.5502	55.5502	1.0600e-003	1.0200e-003	55.8803
Hospital	20.8973	0.2254	2.0488	1.7210	0.0123		0.1557	0.1557		0.1557	0.1557		2,458.5077	2,458.5077	0.0471	0.0451	2,473.1173
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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		**0.2305**	**2.0951**	**1.7599**	**0.0126**		**0.1592**	**0.1592**		**0.1592**	**0.1592**		**2,514.0579**	**2,514.0579**	**0.0482**	**0.0461**	**2,528.9977**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.8415	2.4000e-004	0.0265	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0569	0.0569	1.5000e-004		0.0606
Unmitigated	3.8415	2.4000e-004	0.0265	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0569	0.0569	1.5000e-004		0.0606

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	0.5839					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.2551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4400e-003	2.4000e-004	0.0265	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0569	0.0569	1.5000e-004		0.0606
Total	**3.8415**	**2.4000e-004**	**0.0265**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0569**	**0.0569**	**1.5000e-004**		**0.0606**

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	0.5839					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.2551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4400e-003	2.4000e-004	0.0265	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0569	0.0569	1.5000e-004		0.0606
Total	**3.8415**	**2.4000e-004**	**0.0265**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0569**	**0.0569**	**1.5000e-004**		**0.0606**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

Betty Ford Center, More Intense Alt.

Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	49.67	1000sqft	1.14	49,667.00	0
Hospital	224.00	Bed	23.08	159,761.00	0
Other Asphalt Surfaces	53.88	1000sqft	1.24	53,877.00	0
Other Non-Asphalt Surfaces	33.25	1000sqft	0.76	33,252.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Betty Ford Center, More Intense Alt. - Salton Sea Air Basin, Annual

Project Characteristics - Assumes a 4 year buildout, starting in 2021 and ending 2024.

Land Use - More intense remodel, 224 beds total. Total SF = 209,428.

Construction Phase - Project will be developed in phases over a 4 year period. For analysis purposes, it is assumed that buildout would occur in one consective phase for approximately 2.5 years.

Off-road Equipment - Construction equipment provided by project proponent.

Off-road Equipment - Equipment listed provided by project proponent.

Off-road Equipment -

Off-road Equipment - Equipment list provided by project proponent.

Off-road Equipment - Equipment list provided by project proponent.

Off-road Equipment - Equipment list provided by project proponent.

Trips and VMT -

On-road Fugitive Dust - All roads will be paved.

Demolition - Demo includes removal of existing buildings.

Grading - Import/Export based on preliminary grading plans.

Architectural Coating - Use of low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Hospital daily trip rate based on 12/11/19 traffic counts; Office daily trip rate based on Traffic Report, ITE 10th Edition.

Road Dust - All roads will be paved.

Landscape Equipment - Project is located in a desert environment with higher than average temperature.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard/required PM10 control measures per SCAQMD Rule 403.1. All equipment fitted with Tier 4 engines

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	125.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	125.00
tblArchitecturalCoating	EF_Parking	150.00	125.00
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5

Betty Ford Center, More Intense Alt. - Salton Sea Air Basin, Annual

tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

Betty Ford Center, More Intense Alt. - Salton Sea Air Basin, Annual

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	45.00	90.00
tblConstructionPhase	NumDays	440.00	450.00
tblConstructionPhase	NumDays	35.00	60.00
tblConstructionPhase	NumDays	35.00	50.00
tblGrading	AcresOfGrading	157.50	30.00
tblGrading	MaterialExported	0.00	26,217.00
tblLandUse	LandUseSquareFeet	49,670.00	49,667.00
tblLandUse	LandUseSquareFeet	160,329.70	159,761.00
tblLandUse	LandUseSquareFeet	53,880.00	53,877.00
tblLandUse	LandUseSquareFeet	33,250.00	33,252.00
tblLandUse	LotAcreage	3.68	23.08
tblOffRoadEquipment	HorsePower	172.00	402.00
tblOffRoadEquipment	LoadFactor	0.42	0.38
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00

tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	12.94	8.87

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	0.8076	7.9329	6.3767	0.0148	0.3198	0.3338	0.6536	0.1183	0.3138	0.4321	0.0000	1,306.6553	1,306.6553	0.2846	0.0000	1,313.7696
2022	0.7740	6.9059	6.9594	0.0148	0.1435	0.2995	0.4430	0.0388	0.2845	0.3233	0.0000	1,285.7899	1,285.7899	0.2587	0.0000	1,292.2569
2023	1.3759	1.2466	1.3989	2.9600e-003	0.0314	0.0534	0.0848	8.4700e-003	0.0509	0.0593	0.0000	257.2283	257.2283	0.0486	0.0000	258.4433
Maximum	**1.3759**	**7.9329**	**6.9594**	**0.0148**	**0.3198**	**0.3338**	**0.6536**	**0.1183**	**0.3138**	**0.4321**	**0.0000**	**1,306.6553**	**1,306.6553**	**0.2846**	**0.0000**	**1,313.7696**

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	0.2213	1.8034	7.2949	0.0148	0.2098	0.0205	0.2303	0.0691	0.0204	0.0895	0.0000	1,306.6541	1,306.6541	0.2846	0.0000	1,313.7684
2022	0.2318	1.9199	7.8494	0.0148	0.1435	0.0199	0.1634	0.0388	0.0198	0.0586	0.0000	1,285.7886	1,285.7886	0.2587	0.0000	1,292.2557
2023	1.2745	0.3467	1.5770	2.9600e-003	0.0314	3.8700e-003	0.0353	8.4700e-003	3.8600e-003	0.0123	0.0000	257.2281	257.2281	0.0486	0.0000	258.4430
Maximum	**1.2745**	**1.9199**	**7.8494**	**0.0148**	**0.2098**	**0.0205**	**0.2303**	**0.0691**	**0.0204**	**0.0895**	**0.0000**	**1,306.6541**	**1,306.6541**	**0.2846**	**0.0000**	**1,313.7684**

Betty Ford Center, More Intense Alt. - Salton Sea Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**41.58**	**74.70**	**-13.48**	**0.00**	**22.25**	**93.55**	**63.69**	**29.69**	**93.21**	**80.30**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-1-2021**	**3-31-2021**	1.5601	0.2738
2	**4-1-2021**	**6-30-2021**	1.9466	0.4700
3	**7-1-2021**	**9-30-2021**	2.9629	0.7105
4	**10-1-2021**	**12-31-2021**	2.2554	0.5621
5	**1-1-2022**	**3-31-2022**	1.8973	0.5304
6	**4-1-2022**	**6-30-2022**	1.9222	0.5402
7	**7-1-2022**	**9-30-2022**	1.9433	0.5461
8	**10-1-2022**	**12-31-2022**	1.9395	0.5422
9	**1-1-2023**	**3-31-2023**	2.4047	1.4221
10	**4-1-2023**	**6-30-2023**	0.2054	0.1949
		Highest	2.9629	1.4221

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9713	3.0000e-005	3.3100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.4500e-003	6.4500e-003	2.0000e-005	0.0000	6.8700e-003
Energy	0.0660	0.5999	0.5039	3.6000e-003		0.0456	0.0456		0.0456	0.0456	0.0000	1,741.8405	1,741.8405	0.0575	0.0213	1,749.6164
Mobile	0.7556	6.0194	8.3424	0.0361	2.3984	0.0177	2.4160	0.6441	0.0165	0.6606	0.0000	3,360.7078	3,360.7078	0.1787	0.0000	3,365.1751
Waste						0.0000	0.0000		0.0000	0.0000	142.1485	0.0000	142.1485	8.4007	0.0000	352.1669
Water						0.0000	0.0000		0.0000	0.0000	9.1833	152.8099	161.9932	0.9495	0.0236	192.7571
Total	**1.7929**	**6.6193**	**8.8496**	**0.0397**	**2.3984**	**0.0633**	**2.4616**	**0.6441**	**0.0621**	**0.7062**	**151.3318**	**5,255.3646**	**5,406.6964**	**9.5864**	**0.0449**	**5,659.7223**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9713	3.0000e-005	3.3100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.4500e-003	6.4500e-003	2.0000e-005	0.0000	6.8700e-003
Energy	0.0660	0.5999	0.5039	3.6000e-003		0.0456	0.0456		0.0456	0.0456	0.0000	1,741.8405	1,741.8405	0.0575	0.0213	1,749.6164
Mobile	0.7556	6.0194	8.3424	0.0361	2.3984	0.0177	2.4160	0.6441	0.0165	0.6606	0.0000	3,360.7078	3,360.7078	0.1787	0.0000	3,365.1751
Waste						0.0000	0.0000		0.0000	0.0000	142.1485	0.0000	142.1485	8.4007	0.0000	352.1669
Water						0.0000	0.0000		0.0000	0.0000	9.1833	152.8099	161.9932	0.9495	0.0236	192.7571
Total	**1.7929**	**6.6193**	**8.8496**	**0.0397**	**2.3984**	**0.0633**	**2.4616**	**0.6441**	**0.0621**	**0.7062**	**151.3318**	**5,255.3646**	**5,406.6964**	**9.5864**	**0.0449**	**5,659.7223**

	ROG	NOx	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**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	1 Demolition	Demolition	1/1/2021	3/25/2021	5	60	
2	2 Grading	Grading	3/26/2021	7/29/2021	5	90	
3	3 Building Construction	Building Construction	6/18/2021	3/9/2023	5	450	
4	4 Paving	Paving	7/30/2021	10/21/2021	5	60	
5	5 Architectural Coating	Architectural Coating	2/1/2023	4/11/2023	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 314,142; Non-Residential Outdoor: 104,714; Striped Parking Area: 5,228 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
1 Demolition	Aerial Lifts	2	4.00	63	0.31
1 Demolition	Concrete/Industrial Saws	2	4.00	81	0.73
1 Demolition	Cranes	1	4.00	231	0.29
1 Demolition	Crawler Tractors	1	4.00	212	0.43
1 Demolition	Crushing/Proc. Equipment	1	4.00	85	0.78
1 Demolition	Excavators	2	4.00	158	0.38
1 Demolition	Generator Sets	2	4.00	84	0.74
1 Demolition	Off-Highway Tractors	1	4.00	124	0.44
1 Demolition	Off-Highway Trucks	2	4.00	402	0.38
1 Demolition	Rough Terrain Forklifts	1	4.00	100	0.40
1 Demolition	Rubber Tired Dozers	2	4.00	247	0.40

1 Demolition	Rubber Tired Loaders	2	4.00	203	0.36
1 Demolition	Skid Steer Loaders	2	4.00	65	0.37
1 Demolition	Sweepers/Scrubbers	1	4.00	64	0.46
1 Demolition	Tractors/Loaders/Backhoes	2	4.00	97	0.37
2 Grading	Crawler Tractors	2	4.00	212	0.43
2 Grading	Excavators	2	4.00	158	0.38
2 Grading	Graders	1	4.00	187	0.41
2 Grading	Off-Highway Tractors	1	4.00	124	0.44
2 Grading	Off-Highway Trucks	2	4.00	402	0.38
2 Grading	Rubber Tired Dozers	1	4.00	247	0.40
2 Grading	Rubber Tired Loaders	1	4.00	203	0.36
2 Grading	Scrapers	2	4.00	367	0.48
2 Grading	Tractors/Loaders/Backhoes	2	4.00	97	0.37
3 Building Construction	Aerial Lifts	3	4.00	63	0.31
3 Building Construction	Air Compressors	2	4.00	78	0.48
3 Building Construction	Bore/Drill Rigs	1	4.00	221	0.50
3 Building Construction	Cement and Mortar Mixers	1	4.00	9	0.56
3 Building Construction	Concrete/Industrial Saws	2	4.00	81	0.73
3 Building Construction	Cranes	2	4.00	231	0.29
3 Building Construction	Crawler Tractors	2	4.00	212	0.43
3 Building Construction	Excavators	2	4.00	158	0.38
3 Building Construction	Forklifts	2	4.00	89	0.20
3 Building Construction	Generator Sets	2	4.00	84	0.74
3 Building Construction	Off-Highway Tractors	1	4.00	124	0.44
3 Building Construction	Other Construction Equipment	2	4.00	402	0.38
3 Building Construction	Plate Compactors	2	4.00	8	0.43
3 Building Construction	Pressure Washers	2	4.00	13	0.30

3 Building Construction	Pumps	3	4.00	84	0.74
3 Building Construction	Rollers	1	4.00	80	0.38
3 Building Construction	Rough Terrain Forklifts	2	4.00	100	0.40
3 Building Construction	Skid Steer Loaders	2	4.00	65	0.37
3 Building Construction	Sweepers/Scrubbers	1	4.00	64	0.46
3 Building Construction	Tractors/Loaders/Backhoes	3	4.00	97	0.37
3 Building Construction	Trenchers	2	4.00	78	0.50
3 Building Construction	Welders	3	4.00	46	0.45
3 Building Construction	Welders	3	4.00	46	0.45
4 Paving	Excavators	1	6.00	158	0.38
4 Paving	Graders	1	6.00	187	0.41
4 Paving	Pavers	1	6.00	130	0.42
4 Paving	Paving Equipment	1	6.00	132	0.36
4 Paving	Rollers	1	6.00	80	0.38
5 Architectural Coating	Air Compressors	2	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
1 Demolition	24	60.00	0.00	235.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
2 Grading	14	35.00	0.00	3,277.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
3 Building Construction	46	104.00	49.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
4 Paving	5	13.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
5 Architectural Coating	2	21.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

3.2 1 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					0.0264	0.0000	0.0264	4.0000e-003	0.0000	4.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1292	1.2818	0.9800	2.0600e-003		0.0590	0.0590		0.0553	0.0553	0.0000	179.6237	179.6237	0.0469	0.0000	180.7960
Total	**0.1292**	**1.2818**	**0.9800**	**2.0600e-003**	**0.0264**	**0.0590**	**0.0854**	**4.0000e-003**	**0.0553**	**0.0593**	**0.0000**	**179.6237**	**179.6237**	**0.0469**	**0.0000**	**180.7960**

3.2 1 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.1000e-004	0.0257	3.5600e-003	9.0000e-005	2.0400e-003	8.0000e-005	2.1100e-003	5.6000e-004	7.0000e-005	6.3000e-004	0.0000	8.5915	8.5915	4.3000e-004	0.0000	8.6021
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5100e-003	6.1500e-003	0.0623	1.4000e-004	0.0149	9.0000e-005	0.0150	3.9500e-003	9.0000e-005	4.0400e-003	0.0000	12.2821	12.2821	5.0000e-004	0.0000	12.2946
Total	**9.1200e-003**	**0.0318**	**0.0658**	**2.3000e-004**	**0.0169**	**1.7000e-004**	**0.0171**	**4.5100e-003**	**1.6000e-004**	**4.6700e-003**	**0.0000**	**20.8735**	**20.8735**	**9.3000e-004**	**0.0000**	**20.8967**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0103	0.0000	0.0103	1.5600e-003	0.0000	1.5600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0260	0.1810	1.1668	2.0600e-003		3.2200e-003	3.2200e-003		3.2200e-003	3.2200e-003	0.0000	179.6235	179.6235	0.0469	0.0000	180.7957
Total	**0.0260**	**0.1810**	**1.1668**	**2.0600e-003**	**0.0103**	**3.2200e-003**	**0.0135**	**1.5600e-003**	**3.2200e-003**	**4.7800e-003**	**0.0000**	**179.6235**	**179.6235**	**0.0469**	**0.0000**	**180.7957**

3.2 1 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.1000e-004	0.0257	3.5600e-003	9.0000e-005	2.0400e-003	8.0000e-005	2.1100e-003	5.6000e-004	7.0000e-005	6.3000e-004	0.0000	8.5915	8.5915	4.3000e-004	0.0000	8.6021
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5100e-003	6.1500e-003	0.0623	1.4000e-004	0.0149	9.0000e-005	0.0150	3.9500e-003	9.0000e-005	4.0400e-003	0.0000	12.2821	12.2821	5.0000e-004	0.0000	12.2946
Total	**9.1200e-003**	**0.0318**	**0.0658**	**2.3000e-004**	**0.0169**	**1.7000e-004**	**0.0171**	**4.5100e-003**	**1.6000e-004**	**4.6700e-003**	**0.0000**	**20.8735**	**20.8735**	**9.3000e-004**	**0.0000**	**20.8967**

3.3 2 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1540	0.0000	0.1540	0.0766	0.0000	0.0766	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1597	1.7389	1.0722	2.5900e-003		0.0708	0.0708		0.0652	0.0652	0.0000	227.4904	227.4904	0.0736	0.0000	229.3298
Total	**0.1597**	**1.7389**	**1.0722**	**2.5900e-003**	**0.1540**	**0.0708**	**0.2249**	**0.0766**	**0.0652**	**0.1418**	**0.0000**	**227.4904**	**227.4904**	**0.0736**	**0.0000**	**229.3298**

3.3 2 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.4600e-003	0.3583	0.0496	1.2600e-003	0.0284	1.0600e-003	0.0295	7.8100e-003	1.0200e-003	8.8200e-003	0.0000	119.8052	119.8052	5.9500e-003	0.0000	119.9540
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4400e-003	5.3800e-003	0.0545	1.2000e-004	0.0130	8.0000e-005	0.0131	3.4600e-003	7.0000e-005	3.5300e-003	0.0000	10.7468	10.7468	4.4000e-004	0.0000	10.7578
Total	**0.0159**	**0.3636**	**0.1041**	**1.3800e-003**	**0.0414**	**1.1400e-003**	**0.0426**	**0.0113**	**1.0900e-003**	**0.0124**	**0.0000**	**130.5520**	**130.5520**	**6.3900e-003**	**0.0000**	**130.7117**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0601	0.0000	0.0601	0.0299	0.0000	0.0299	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0318	0.1378	1.3123	2.5900e-003		4.2400e-003	4.2400e-003		4.2400e-003	4.2400e-003	0.0000	227.4901	227.4901	0.0736	0.0000	229.3295
Total	**0.0318**	**0.1378**	**1.3123**	**2.5900e-003**	**0.0601**	**4.2400e-003**	**0.0643**	**0.0299**	**4.2400e-003**	**0.0341**	**0.0000**	**227.4901**	**227.4901**	**0.0736**	**0.0000**	**229.3295**

3.3 2 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.4600e-003	0.3583	0.0496	1.2600e-003	0.0284	1.0600e-003	0.0295	7.8100e-003	1.0200e-003	8.8200e-003	0.0000	119.8052	119.8052	5.9500e-003	0.0000	119.9540
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4400e-003	5.3800e-003	0.0545	1.2000e-004	0.0130	8.0000e-005	0.0131	3.4600e-003	7.0000e-005	3.5300e-003	0.0000	10.7468	10.7468	4.4000e-004	0.0000	10.7578
Total	**0.0159**	**0.3636**	**0.1041**	**1.3800e-003**	**0.0414**	**1.1400e-003**	**0.0426**	**0.0113**	**1.0900e-003**	**0.0124**	**0.0000**	**130.5520**	**130.5520**	**6.3900e-003**	**0.0000**	**130.7117**

3.4 3 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4166	3.8542	3.5353	6.7000e-003		0.1875	0.1875		0.1781	0.1781	0.0000	574.6049	574.6049	0.1337	0.0000	577.9462
Total	**0.4166**	**3.8542**	**3.5353**	**6.7000e-003**		**0.1875**	**0.1875**		**0.1781**	**0.1781**	**0.0000**	**574.6049**	**574.6049**	**0.1337**	**0.0000**	**577.9462**

3.4 3 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.6000e-003	0.3091	0.0740	7.9000e-004	0.0172	5.6000e-004	0.0177	4.9600e-003	5.3000e-004	5.4900e-003	0.0000	74.9868	74.9868	6.1600e-003	0.0000	75.1408
Worker	0.0347	0.0250	0.2536	5.5000e-004	0.0606	3.8000e-004	0.0610	0.0161	3.5000e-004	0.0164	0.0000	50.0289	50.0289	2.0400e-003	0.0000	50.0799
Total	**0.0443**	**0.3341**	**0.3276**	**1.3400e-003**	**0.0778**	**9.4000e-004**	**0.0787**	**0.0211**	**8.8000e-004**	**0.0219**	**0.0000**	**125.0157**	**125.0157**	**8.2000e-003**	**0.0000**	**125.2208**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0844	0.7259	3.9552	6.7000e-003		9.9600e-003	9.9600e-003		9.9600e-003	9.9600e-003	0.0000	574.6042	574.6042	0.1337	0.0000	577.9456
Total	**0.0844**	**0.7259**	**3.9552**	**6.7000e-003**		**9.9600e-003**	**9.9600e-003**		**9.9600e-003**	**9.9600e-003**	**0.0000**	**574.6042**	**574.6042**	**0.1337**	**0.0000**	**577.9456**

3.4 3 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.6000e-003	0.3091	0.0740	7.9000e-004	0.0172	5.6000e-004	0.0177	4.9600e-003	5.3000e-004	5.4900e-003	0.0000	74.9868	74.9868	6.1600e-003	0.0000	75.1408
Worker	0.0347	0.0250	0.2536	5.5000e-004	0.0606	3.8000e-004	0.0610	0.0161	3.5000e-004	0.0164	0.0000	50.0289	50.0289	2.0400e-003	0.0000	50.0799
Total	**0.0443**	**0.3341**	**0.3276**	**1.3400e-003**	**0.0778**	**9.4000e-004**	**0.0787**	**0.0211**	**8.8000e-004**	**0.0219**	**0.0000**	**125.0157**	**125.0157**	**8.2000e-003**	**0.0000**	**125.2208**

3.4 3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6979	6.3245	6.4033	0.0124		0.2980	0.2980		0.2831	0.2831	0.0000	1,059.8048	1,059.8048	0.2447	0.0000	1,065.9224
Total	**0.6979**	**6.3245**	**6.4033**	**0.0124**		**0.2980**	**0.2980**		**0.2831**	**0.2831**	**0.0000**	**1,059.8048**	**1,059.8048**	**0.2447**	**0.0000**	**1,065.9224**

3.4 3 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0164	0.5393	0.1258	1.4400e-003	0.0317	8.6000e-004	0.0325	9.1400e-003	8.2000e-004	9.9600e-003	0.0000	137.1105	137.1105	0.0106	0.0000	137.3742
Worker	0.0597	0.0421	0.4302	9.8000e-004	0.1118	6.7000e-004	0.1125	0.0297	6.2000e-004	0.0303	0.0000	88.8746	88.8746	3.4300e-003	0.0000	88.9603
Total	**0.0761**	**0.5814**	**0.5561**	**2.4200e-003**	**0.1435**	**1.5300e-003**	**0.1450**	**0.0388**	**1.4400e-003**	**0.0403**	**0.0000**	**225.9851**	**225.9851**	**0.0140**	**0.0000**	**226.3346**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1557	1.3386	7.2933	0.0124		0.0184	0.0184		0.0184	0.0184	0.0000	1,059.8036	1,059.8036	0.2447	0.0000	1,065.9211
Total	**0.1557**	**1.3386**	**7.2933**	**0.0124**		**0.0184**	**0.0184**		**0.0184**	**0.0184**	**0.0000**	**1,059.8036**	**1,059.8036**	**0.2447**	**0.0000**	**1,065.9211**

3.4 3 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0164	0.5393	0.1258	1.4400e-003	0.0317	8.6000e-004	0.0325	9.1400e-003	8.2000e-004	9.9600e-003	0.0000	137.1105	137.1105	0.0106	0.0000	137.3742
Worker	0.0597	0.0421	0.4302	9.8000e-004	0.1118	6.7000e-004	0.1125	0.0297	6.2000e-004	0.0303	0.0000	88.8746	88.8746	3.4300e-003	0.0000	88.9603
Total	**0.0761**	**0.5814**	**0.5561**	**2.4200e-003**	**0.1435**	**1.5300e-003**	**0.1450**	**0.0388**	**1.4400e-003**	**0.0403**	**0.0000**	**225.9851**	**225.9851**	**0.0140**	**0.0000**	**226.3346**

3.4 3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1226	1.0935	1.1974	2.3300e-003		0.0496	0.0496		0.0471	0.0471	0.0000	199.7710	199.7710	0.0457	0.0000	200.9138
Total	**0.1226**	**1.0935**	**1.1974**	**2.3300e-003**		**0.0496**	**0.0496**		**0.0471**	**0.0471**	**0.0000**	**199.7710**	**199.7710**	**0.0457**	**0.0000**	**200.9138**

3.4 3 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.4400e-003	0.0792	0.0206	2.7000e-004	5.9700e-003	6.0000e-005	6.0300e-003	1.7200e-003	6.0000e-005	1.7800e-003	0.0000	25.2577	25.2577	1.4100e-003	0.0000	25.2930
Worker	0.0106	7.2500e-003	0.0748	1.8000e-004	0.0211	1.2000e-004	0.0212	5.5900e-003	1.1000e-004	5.7100e-003	0.0000	16.1133	16.1133	5.9000e-004	0.0000	16.1281
Total	**0.0130**	**0.0865**	**0.0955**	**4.5000e-004**	**0.0270**	**1.8000e-004**	**0.0272**	**7.3100e-003**	**1.7000e-004**	**7.4900e-003**	**0.0000**	**41.3710**	**41.3710**	**2.0000e-003**	**0.0000**	**41.4211**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0293	0.2523	1.3745	2.3300e-003		3.4600e-003	3.4600e-003		3.4600e-003	3.4600e-003	0.0000	199.7708	199.7708	0.0457	0.0000	200.9135
Total	**0.0293**	**0.2523**	**1.3745**	**2.3300e-003**		**3.4600e-003**	**3.4600e-003**		**3.4600e-003**	**3.4600e-003**	**0.0000**	**199.7708**	**199.7708**	**0.0457**	**0.0000**	**200.9135**

3.4 3 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.4400e-003	0.0792	0.0206	2.7000e-004	5.9700e-003	6.0000e-005	6.0300e-003	1.7200e-003	6.0000e-005	1.7800e-003	0.0000	25.2577	25.2577	1.4100e-003	0.0000	25.2930
Worker	0.0106	7.2500e-003	0.0748	1.8000e-004	0.0211	1.2000e-004	0.0212	5.5900e-003	1.1000e-004	5.7100e-003	0.0000	16.1133	16.1133	5.9000e-004	0.0000	16.1281
Total	**0.0130**	**0.0865**	**0.0955**	**4.5000e-004**	**0.0270**	**1.8000e-004**	**0.0272**	**7.3100e-003**	**1.7000e-004**	**7.4900e-003**	**0.0000**	**41.3710**	**41.3710**	**2.0000e-003**	**0.0000**	**41.4211**

3.5 4 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0295	0.3271	0.2782	5.2000e-004		0.0142	0.0142		0.0131	0.0131	0.0000	45.8340	45.8340	0.0148	0.0000	46.2046
Paving	1.6200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0311**	**0.3271**	**0.2782**	**5.2000e-004**		**0.0142**	**0.0142**		**0.0131**	**0.0131**	**0.0000**	**45.8340**	**45.8340**	**0.0148**	**0.0000**	**46.2046**

3.5 4 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8400e-003	1.3300e-003	0.0135	3.0000e-005	3.2200e-003	2.0000e-005	3.2400e-003	8.6000e-004	2.0000e-005	8.7000e-004	0.0000	2.6611	2.6611	1.1000e-004	0.0000	2.6638
Total	**1.8400e-003**	**1.3300e-003**	**0.0135**	**3.0000e-005**	**3.2200e-003**	**2.0000e-005**	**3.2400e-003**	**8.6000e-004**	**2.0000e-005**	**8.7000e-004**	**0.0000**	**2.6611**	**2.6611**	**1.1000e-004**	**0.0000**	**2.6638**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4100e-003	0.0278	0.3497	5.2000e-004		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	45.8339	45.8339	0.0148	0.0000	46.2045
Paving	1.6200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.0300e-003**	**0.0278**	**0.3497**	**5.2000e-004**		**8.5000e-004**	**8.5000e-004**		**8.5000e-004**	**8.5000e-004**	**0.0000**	**45.8339**	**45.8339**	**0.0148**	**0.0000**	**46.2045**

3.5 4 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8400e-003	1.3300e-003	0.0135	3.0000e-005	3.2200e-003	2.0000e-005	3.2400e-003	8.6000e-004	2.0000e-005	8.7000e-004	0.0000	2.6611	2.6611	1.1000e-004	0.0000	2.6638
Total	**1.8400e-003**	**1.3300e-003**	**0.0135**	**3.0000e-005**	**3.2200e-003**	**2.0000e-005**	**3.2400e-003**	**8.6000e-004**	**2.0000e-005**	**8.7000e-004**	**0.0000**	**2.6611**	**2.6611**	**1.1000e-004**	**0.0000**	**2.6638**

3.6 5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2285					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5800e-003	0.0652	0.0906	1.5000e-004		3.5400e-003	3.5400e-003		3.5400e-003	3.5400e-003	0.0000	12.7663	12.7663	7.6000e-004	0.0000	12.7854
Total	**1.2381**	**0.0652**	**0.0906**	**1.5000e-004**		**3.5400e-003**	**3.5400e-003**		**3.5400e-003**	**3.5400e-003**	**0.0000**	**12.7663**	**12.7663**	**7.6000e-004**	**0.0000**	**12.7854**

3.6 5 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1700e-003	1.4900e-003	0.0154	4.0000e-005	4.3400e-003	3.0000e-005	4.3700e-003	1.1500e-003	2.0000e-005	1.1800e-003	0.0000	3.3201	3.3201	1.2000e-004	0.0000	3.3231
Total	**2.1700e-003**	**1.4900e-003**	**0.0154**	**4.0000e-005**	**4.3400e-003**	**3.0000e-005**	**4.3700e-003**	**1.1500e-003**	**2.0000e-005**	**1.1800e-003**	**0.0000**	**3.3201**	**3.3201**	**1.2000e-004**	**0.0000**	**3.3231**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.2285					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4900e-003	6.4400e-003	0.0916	1.5000e-004		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	12.7663	12.7663	7.6000e-004	0.0000	12.7854
Total	**1.2300**	**6.4400e-003**	**0.0916**	**1.5000e-004**		**2.0000e-004**	**2.0000e-004**		**2.0000e-004**	**2.0000e-004**	**0.0000**	**12.7663**	**12.7663**	**7.6000e-004**	**0.0000**	**12.7854**

3.6 5 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1700e-003	1.4900e-003	0.0154	4.0000e-005	4.3400e-003	3.0000e-005	4.3700e-003	1.1500e-003	2.0000e-005	1.1800e-003	0.0000	3.3201	3.3201	1.2000e-004	0.0000	3.3231
Total	**2.1700e-003**	**1.4900e-003**	**0.0154**	**4.0000e-005**	**4.3400e-003**	**3.0000e-005**	**4.3700e-003**	**1.1500e-003**	**2.0000e-005**	**1.1800e-003**	**0.0000**	**3.3201**	**3.3201**	**1.2000e-004**	**0.0000**	**3.3231**

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	0.7556	6.0194	8.3424	0.0361	2.3984	0.0177	2.4160	0.6441	0.0165	0.6606	0.0000	3,360.7078	3,360.7078	0.1787	0.0000	3,365.1751
Unmitigated	0.7556	6.0194	8.3424	0.0361	2.3984	0.0177	2.4160	0.6441	0.0165	0.6606	0.0000	3,360.7078	3,360.7078	0.1787	0.0000	3,365.1751

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	483.79	122.19	52.15	790,629	790,629
Hospital	1,986.88	1,823.36	1610.56	5,408,392	5,408,392
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	2,470.67	1,945.55	1,662.71	6,199,021	6,199,021

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
General Office Building	12.50	4.20	5.40	33.00	48.00	19.00	77	19	4
Hospital	12.50	4.20	5.40	64.90	16.10	19.00	73	25	2
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	12.50	4.20	5.40	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
General Office Building	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Hospital	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Other Asphalt Surfaces	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Other Non-Asphalt Surfaces	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,088.8011	1,088.8011	0.0450	9.3000e-003	1,092.6963
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,088.8011	1,088.8011	0.0450	9.3000e-003	1,092.6963
NaturalGas Mitigated	0.0660	0.5999	0.5039	3.6000e-003		0.0456	0.0456		0.0456	0.0456	0.0000	653.0394	653.0394	0.0125	0.0120	656.9200
NaturalGas Unmitigated	0.0660	0.5999	0.5039	3.6000e-003		0.0456	0.0456		0.0456	0.0456	0.0000	653.0394	653.0394	0.0125	0.0120	656.9200

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	172344	9.3000e-004	8.4500e-003	7.1000e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	9.1970	9.1970	1.8000e-004	1.7000e-004	9.2516
Hospital	1.20652e+007	0.0651	0.5914	0.4968	3.5500e-003		0.0450	0.0450		0.0450	0.0450	0.0000	643.8424	643.8424	0.0123	0.0118	647.6684
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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		**0.0660**	**0.5999**	**0.5039**	**3.6000e-003**		**0.0456**	**0.0456**		**0.0456**	**0.0456**	**0.0000**	**653.0394**	**653.0394**	**0.0125**	**0.0120**	**656.9200**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	172344	9.3000e-004	8.4500e-003	7.1000e-003	5.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	9.1970	9.1970	1.8000e-004	1.7000e-004	9.2516
Hospital	1.20652e+007	0.0651	0.5914	0.4968	3.5500e-003		0.0450	0.0450		0.0450	0.0450	0.0000	643.8424	643.8424	0.0123	0.0118	647.6684
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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		**0.0660**	**0.5999**	**0.5039**	**3.6000e-003**		**0.0456**	**0.0456**		**0.0456**	**0.0456**	**0.0000**	**653.0394**	**653.0394**	**0.0125**	**0.0120**	**656.9200**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	472830	150.6537	6.2200e-003	1.2900e-003	151.1927
Hospital	2.9444e+006	938.1474	0.0387	8.0100e-003	941.5037
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**1,088.8011**	**0.0450**	**9.3000e-003**	**1,092.6963**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	472830	150.6537	6.2200e-003	1.2900e-003	151.1927
Hospital	2.9444e+006	938.1474	0.0387	8.0100e-003	941.5037
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**1,088.8011**	**0.0450**	**9.3000e-003**	**1,092.6963**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.9713	3.0000e-005	3.3100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.4500e-003	6.4500e-003	2.0000e-005	0.0000	6.8700e-003
Unmitigated	0.9713	3.0000e-005	3.3100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.4500e-003	6.4500e-003	2.0000e-005	0.0000	6.8700e-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	0.1474					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8236					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-004	3.0000e-005	3.3100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.4500e-003	6.4500e-003	2.0000e-005	0.0000	6.8700e-003
Total	**0.9713**	**3.0000e-005**	**3.3100e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**6.4500e-003**	**6.4500e-003**	**2.0000e-005**	**0.0000**	**6.8700e-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	0.1474					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8236					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-004	3.0000e-005	3.3100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.4500e-003	6.4500e-003	2.0000e-005	0.0000	6.8700e-003
Total	**0.9713**	**3.0000e-005**	**3.3100e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**6.4500e-003**	**6.4500e-003**	**2.0000e-005**	**0.0000**	**6.8700e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	161.9932	0.9495	0.0236	192.7571
Unmitigated	161.9932	0.9495	0.0236	192.7571

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	8.82804 / 5.41073	58.5796	0.2900	7.2700e-003	67.9948
Hospital	20.1183 / 3.83205	103.4136	0.6596	0.0163	124.7623
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**161.9932**	**0.9495**	**0.0236**	**192.7571**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	8.82804 / 5.41073	58.5796	0.2900	7.2700e-003	67.9948
Hospital	20.1183 / 3.83205	103.4136	0.6596	0.0163	124.7623
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**161.9932**	**0.9495**	**0.0236**	**192.7571**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	142.1485	8.4007	0.0000	352.1669
Unmitigated	142.1485	8.4007	0.0000	352.1669

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	46.19	9.3762	0.5541	0.0000	23.2290
Hospital	654.08	132.7723	7.8466	0.0000	328.9378
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**142.1485**	**8.4007**	**0.0000**	**352.1669**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	46.19	9.3762	0.5541	0.0000	23.2290
Hospital	654.08	132.7723	7.8466	0.0000	328.9378
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**142.1485**	**8.4007**	**0.0000**	**352.1669**

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

Betty Ford Center, More Intense Alt.

Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	49.67	1000sqft	1.14	49,667.00	0
Hospital	224.00	Bed	23.08	159,761.00	0
Other Asphalt Surfaces	53.88	1000sqft	1.24	53,877.00	0
Other Non-Asphalt Surfaces	33.25	1000sqft	0.76	33,252.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Assumes a 4 year buildout, starting in 2021 and ending 2024.

Land Use - More intense remodel, 224 beds total. Total SF = 209,428.

Construction Phase - Project will be developed in phases over a 4 year period. For analysis purposes, it is assumed that buildout would occur in one consective phase for approximately 2.5 years.

Off-road Equipment - Construction equipment provided by project proponent.

Off-road Equipment - Equipment listed provided by project proponent.

Off-road Equipment -

Off-road Equipment - Equipment list provided by project proponent.

Off-road Equipment - Equipment list provided by project proponent.

Off-road Equipment - Equipment list provided by project proponent.

Trips and VMT -

On-road Fugitive Dust - All roads will be paved.

Demolition - Demo includes removal of existing buildings.

Grading - Import/Export based on preliminary grading plans.

Architectural Coating - Use of low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Hospital daily trip rate based on 12/11/19 traffic counts; Office daily trip rate based on Traffic Report, ITE 10th Edition.

Road Dust - All roads will be paved.

Landscape Equipment - Project is located in a desert environment with higher than average temperature.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard/required PM10 control measures per SCAQMD Rule 403.1. All equipment fitted with Tier 4 engines

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	125.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	125.00
tblArchitecturalCoating	EF_Parking	150.00	125.00
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5

tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	45.00	90.00
tblConstructionPhase	NumDays	440.00	450.00
tblConstructionPhase	NumDays	35.00	60.00
tblConstructionPhase	NumDays	35.00	50.00
tblGrading	AcresOfGrading	157.50	30.00
tblGrading	MaterialExported	0.00	26,217.00
tblLandUse	LandUseSquareFeet	49,670.00	49,667.00
tblLandUse	LandUseSquareFeet	160,329.70	159,761.00
tblLandUse	LandUseSquareFeet	53,880.00	53,877.00
tblLandUse	LandUseSquareFeet	33,250.00	33,252.00
tblLandUse	LotAcreage	3.68	23.08
tblOffRoadEquipment	HorsePower	172.00	402.00
tblOffRoadEquipment	LoadFactor	0.42	0.38
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00

tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	12.94	8.87

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	10.5562	105.9217	81.9845	0.2039	5.4698	4.2724	9.7423	2.2565	4.0106	6.2672	0.0000	19,882.5776	19,882.5776	4.1720	0.0000	19,986.8783
2022	6.0378	53.1072	54.2992	0.1147	1.1162	2.3037	3.4199	0.3017	2.1886	2.4902	0.0000	11,007.6647	11,007.6647	2.1935	0.0000	11,062.5027
2023	55.2388	50.8280	57.8877	0.1217	1.2919	2.1760	3.4679	0.3483	2.0732	2.4215	0.0000	11,675.5155	11,675.5155	2.1876	0.0000	11,730.2046
Maximum	**55.2388**	**105.9217**	**81.9845**	**0.2039**	**5.4698**	**4.2724**	**9.7423**	**2.2565**	**4.0106**	**6.2672**	**0.0000**	**19,882.5776**	**19,882.5776**	**4.1720**	**0.0000**	**19,986.8783**

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	3.0031	25.9679	93.2764	0.2039	3.3821	0.2739	3.6559	1.2183	0.2719	1.4902	0.0000	19,882.5775	19,882.5775	4.1720	0.0000	19,986.8783
2022	1.8671	14.7537	61.1455	0.1147	1.1162	0.1530	1.2692	0.3017	0.1523	0.4540	0.0000	11,007.6647	11,007.6647	2.1935	0.0000	11,062.5027
2023	51.1088	14.1457	65.1581	0.1217	1.2919	0.1579	1.4498	0.3483	0.1573	0.5056	0.0000	11,675.5155	11,675.5155	2.1876	0.0000	11,730.2046
Maximum	**51.1088**	**25.9679**	**93.2764**	**0.2039**	**3.3821**	**0.2739**	**3.6559**	**1.2183**	**0.2719**	**1.4902**	**0.0000**	**19,882.5775**	**19,882.5775**	**4.1720**	**0.0000**	**19,986.8783**

Betty Ford Center, More Intense Alt. - Salton Sea Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**22.07**	**73.85**	**-13.09**	**0.00**	**26.50**	**93.32**	**61.67**	**35.72**	**92.97**	**78.09**	**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	5.3238	3.3000e-004	0.0367	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0790	0.0790	2.1000e-004		0.0841
Energy	0.3616	3.2870	2.7611	0.0197		0.2498	0.2498		0.2498	0.2498		3,944.3981	3,944.3981	0.0756	0.0723	3,967.8377
Mobile	5.5374	35.7508	58.5815	0.2262	14.3219	0.1042	14.4260	3.8425	0.0973	3.9398		23,196.3827	23,196.3827	1.1857		23,226.0252
Total	**11.2228**	**39.0382**	**61.3794**	**0.2460**	**14.3219**	**0.3541**	**14.6760**	**3.8425**	**0.3472**	**4.1897**		**27,140.8598**	**27,140.8598**	**1.2615**	**0.0723**	**27,193.9470**

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	5.3238	3.3000e-004	0.0367	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0790	0.0790	2.1000e-004		0.0841
Energy	0.3616	3.2870	2.7611	0.0197		0.2498	0.2498		0.2498	0.2498		3,944.3981	3,944.3981	0.0756	0.0723	3,967.8377
Mobile	5.5374	35.7508	58.5815	0.2262	14.3219	0.1042	14.4260	3.8425	0.0973	3.9398		23,196.3827	23,196.3827	1.1857		23,226.0252
Total	**11.2228**	**39.0382**	**61.3794**	**0.2460**	**14.3219**	**0.3541**	**14.6760**	**3.8425**	**0.3472**	**4.1897**		**27,140.8598**	**27,140.8598**	**1.2615**	**0.0723**	**27,193.9470**

	ROG	NOx	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**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	1 Demolition	Demolition	1/1/2021	3/25/2021	5	60	
2	2 Grading	Grading	3/26/2021	7/29/2021	5	90	
3	3 Building Construction	Building Construction	6/18/2021	3/9/2023	5	450	
4	4 Paving	Paving	7/30/2021	10/21/2021	5	60	
5	5 Architectural Coating	Architectural Coating	2/1/2023	4/11/2023	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 314,142; Non-Residential Outdoor: 104,714; Striped Parking Area: 5,228 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
1 Demolition	Aerial Lifts	2	4.00	63	0.31
1 Demolition	Concrete/Industrial Saws	2	4.00	81	0.73
1 Demolition	Cranes	1	4.00	231	0.29
1 Demolition	Crawler Tractors	1	4.00	212	0.43
1 Demolition	Crushing/Proc. Equipment	1	4.00	85	0.78

1 Demolition	Excavators	2	4.00	158	0.38
1 Demolition	Generator Sets	2	4.00	84	0.74
1 Demolition	Off-Highway Tractors	1	4.00	124	0.44
1 Demolition	Off-Highway Trucks	2	4.00	402	0.38
1 Demolition	Rough Terrain Forklifts	1	4.00	100	0.40
1 Demolition	Rubber Tired Dozers	2	4.00	247	0.40
1 Demolition	Rubber Tired Loaders	2	4.00	203	0.36
1 Demolition	Skid Steer Loaders	2	4.00	65	0.37
1 Demolition	Sweepers/Scrubbers	1	4.00	64	0.46
1 Demolition	Tractors/Loaders/Backhoes	2	4.00	97	0.37
2 Grading	Crawler Tractors	2	4.00	212	0.43
2 Grading	Excavators	2	4.00	158	0.38
2 Grading	Graders	1	4.00	187	0.41
2 Grading	Off-Highway Tractors	1	4.00	124	0.44
2 Grading	Off-Highway Trucks	2	4.00	402	0.38
2 Grading	Rubber Tired Dozers	1	4.00	247	0.40
2 Grading	Rubber Tired Loaders	1	4.00	203	0.36
2 Grading	Scrapers	2	4.00	367	0.48
2 Grading	Tractors/Loaders/Backhoes	2	4.00	97	0.37
3 Building Construction	Aerial Lifts	3	4.00	63	0.31
3 Building Construction	Air Compressors	2	4.00	78	0.48
3 Building Construction	Bore/Drill Rigs	1	4.00	221	0.50
3 Building Construction	Cement and Mortar Mixers	1	4.00	9	0.56
3 Building Construction	Concrete/Industrial Saws	2	4.00	81	0.73
3 Building Construction	Cranes	2	4.00	231	0.29
3 Building Construction	Crawler Tractors	2	4.00	212	0.43
3 Building Construction	Excavators	2	4.00	158	0.38

3 Building Construction	Forklifts	2	4.00	89	0.20
3 Building Construction	Generator Sets	2	4.00	84	0.74
3 Building Construction	Off-Highway Tractors	1	4.00	124	0.44
3 Building Construction	Other Construction Equipment	2	4.00	402	0.38
3 Building Construction	Plate Compactors	2	4.00	8	0.43
3 Building Construction	Pressure Washers	2	4.00	13	0.30
3 Building Construction	Pumps	3	4.00	84	0.74
3 Building Construction	Rollers	1	4.00	80	0.38
3 Building Construction	Rough Terrain Forklifts	2	4.00	100	0.40
3 Building Construction	Skid Steer Loaders	2	4.00	65	0.37
3 Building Construction	Sweepers/Scrubbers	1	4.00	64	0.46
3 Building Construction	Tractors/Loaders/Backhoes	3	4.00	97	0.37
3 Building Construction	Trenchers	2	4.00	78	0.50
3 Building Construction	Welders	3	4.00	46	0.45
3 Building Construction	Welders	3	4.00	46	0.45
4 Paving	Excavators	1	6.00	158	0.38
4 Paving	Graders	1	6.00	187	0.41
4 Paving	Pavers	1	6.00	130	0.42
4 Paving	Paving Equipment	1	6.00	132	0.36
4 Paving	Rollers	1	6.00	80	0.38
5 Architectural Coating	Air Compressors	2	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
1 Demolition	24	60.00	0.00	235.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
2 Grading	14	35.00	0.00	3,277.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
3 Building Construction	46	104.00	49.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
4 Paving	5	13.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
5 Architectural Coating	2	21.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

3.2 1 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					0.8812	0.0000	0.8812	0.1334	0.0000	0.1334			0.0000			0.0000
Off-Road	4.3053	42.7264	32.6659	0.0685		1.9661	1.9661		1.8444	1.8444		6,600.0401	6,600.0401	1.7230		6,643.1140
Total	**4.3053**	**42.7264**	**32.6659**	**0.0685**	**0.8812**	**1.9661**	**2.8473**	**0.1334**	**1.8444**	**1.9778**		**6,600.0401**	**6,600.0401**	**1.7230**		**6,643.1140**

3.2 1 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0197	0.8364	0.1093	3.0400e-003	0.0687	2.5200e-003	0.0712	0.0188	2.4100e-003	0.0212		319.6621	319.6621	0.0149		320.0357
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3372	0.2029	2.5990	5.0200e-003	0.5020	3.0900e-003	0.5051	0.1332	2.8500e-003	0.1360		499.0719	499.0719	0.0214		499.6059
Total	**0.3570**	**1.0393**	**2.7083**	**8.0600e-003**	**0.5707**	**5.6100e-003**	**0.5763**	**0.1520**	**5.2600e-003**	**0.1572**		**818.7340**	**818.7340**	**0.0363**		**819.6416**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.3437	0.0000	0.3437	0.0520	0.0000	0.0520			0.0000			0.0000
Off-Road	0.8656	6.0336	38.8929	0.0685		0.1072	0.1072		0.1072	0.1072	0.0000	6,600.0401	6,600.0401	1.7230		6,643.1140
Total	**0.8656**	**6.0336**	**38.8929**	**0.0685**	**0.3437**	**0.1072**	**0.4509**	**0.0520**	**0.1072**	**0.1592**	**0.0000**	**6,600.0401**	**6,600.0401**	**1.7230**		**6,643.1140**

3.2 1 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0197	0.8364	0.1093	3.0400e-003	0.0687	2.5200e-003	0.0712	0.0188	2.4100e-003	0.0212		319.6621	319.6621	0.0149		320.0357
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3372	0.2029	2.5990	5.0200e-003	0.5020	3.0900e-003	0.5051	0.1332	2.8500e-003	0.1360		499.0719	499.0719	0.0214		499.6059
Total	**0.3570**	**1.0393**	**2.7083**	**8.0600e-003**	**0.5707**	**5.6100e-003**	**0.5763**	**0.1520**	**5.2600e-003**	**0.1572**		**818.7340**	**818.7340**	**0.0363**		**819.6416**

3.3 2 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4226	0.0000	3.4226	1.7021	0.0000	1.7021			0.0000			0.0000
Off-Road	3.5484	38.6429	23.8270	0.0575		1.5742	1.5742		1.4482	1.4482		5,572.5608	5,572.5608	1.8023		5,617.6178
Total	**3.5484**	**38.6429**	**23.8270**	**0.0575**	**3.4226**	**1.5742**	**4.9967**	**1.7021**	**1.4482**	**3.1503**		**5,572.5608**	**5,572.5608**	**1.8023**		**5,617.6178**

3.3 2 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1834	7.7755	1.0165	0.0283	0.6382	0.0235	0.6617	0.1751	0.0224	0.1975		2,971.7237	2,971.7237	0.1389		2,975.1970
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1967	0.1184	1.5161	2.9300e-003	0.2928	1.8000e-003	0.2946	0.0777	1.6600e-003	0.0793		291.1253	291.1253	0.0125		291.4368
Total	**0.3801**	**7.8938**	**2.5326**	**0.0312**	**0.9311**	**0.0253**	**0.9563**	**0.2527**	**0.0241**	**0.2768**		**3,262.8490**	**3,262.8490**	**0.1514**		**3,266.6338**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.3348	0.0000	1.3348	0.6638	0.0000	0.6638			0.0000			0.0000
Off-Road	0.7064	3.0612	29.1620	0.0575		0.0942	0.0942		0.0942	0.0942	0.0000	5,572.5608	5,572.5608	1.8023		5,617.6178
Total	**0.7064**	**3.0612**	**29.1620**	**0.0575**	**1.3348**	**0.0942**	**1.4290**	**0.6638**	**0.0942**	**0.7580**	**0.0000**	**5,572.5608**	**5,572.5608**	**1.8023**		**5,617.6178**

3.3 2 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1834	7.7755	1.0165	0.0283	0.6382	0.0235	0.6617	0.1751	0.0224	0.1975		2,971.7237	2,971.7237	0.1389		2,975.1970
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1967	0.1184	1.5161	2.9300e-003	0.2928	1.8000e-003	0.2946	0.0777	1.6600e-003	0.0793		291.1253	291.1253	0.0125		291.4368
Total	**0.3801**	**7.8938**	**2.5326**	**0.0312**	**0.9311**	**0.0253**	**0.9563**	**0.2527**	**0.0241**	**0.2768**		**3,262.8490**	**3,262.8490**	**0.1514**		**3,266.6338**

3.4 3 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.9086	54.6687	50.1457	0.0950		2.6599	2.6599		2.5260	2.5260		8,984.3051	8,984.3051	2.0897		9,036.5487
Total	**5.9086**	**54.6687**	**50.1457**	**0.0950**		**2.6599**	**2.6599**		**2.5260**	**2.5260**		**8,984.3051**	**8,984.3051**	**2.0897**		**9,036.5487**

3.4 3 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1345	4.3646	0.9743	0.0114	0.2461	7.7500e-003	0.2538	0.0709	7.4100e-003	0.0783		1,197.8046	1,197.8046	0.0916		1,200.0946
Worker	0.5845	0.3517	4.5049	8.7100e-003	0.8701	5.3600e-003	0.8755	0.2308	4.9400e-003	0.2357		865.0580	865.0580	0.0370		865.9835
Total	**0.7190**	**4.7163**	**5.4792**	**0.0202**	**1.1162**	**0.0131**	**1.1293**	**0.3017**	**0.0124**	**0.3141**		**2,062.8626**	**2,062.8626**	**0.1286**		**2,066.0781**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1975	10.2966	56.1026	0.0950		0.1413	0.1413		0.1413	0.1413	0.0000	8,984.3051	8,984.3051	2.0897		9,036.5487
Total	**1.1975**	**10.2966**	**56.1026**	**0.0950**		**0.1413**	**0.1413**		**0.1413**	**0.1413**	**0.0000**	**8,984.3051**	**8,984.3051**	**2.0897**		**9,036.5487**

3.4 3 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1345	4.3646	0.9743	0.0114	0.2461	7.7500e-003	0.2538	0.0709	7.4100e-003	0.0783		1,197.8046	1,197.8046	0.0916		1,200.0946
Worker	0.5845	0.3517	4.5049	8.7100e-003	0.8701	5.3600e-003	0.8755	0.2308	4.9400e-003	0.2357		865.0580	865.0580	0.0370		865.9835
Total	**0.7190**	**4.7163**	**5.4792**	**0.0202**	**1.1162**	**0.0131**	**1.1293**	**0.3017**	**0.0124**	**0.3141**		**2,062.8626**	**2,062.8626**	**0.1286**		**2,066.0781**

3.4 3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.3682	48.6502	49.2563	0.0950		2.2920	2.2920		2.1776	2.1776		8,986.4219	8,986.4219	2.0749		9,038.2944
Total	**5.3682**	**48.6502**	**49.2563**	**0.0950**		**2.2920**	**2.2920**		**2.1776**	**2.1776**		**8,986.4219**	**8,986.4219**	**2.0749**		**9,038.2944**

3.4 3 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1248	4.1366	0.8961	0.0113	0.2461	6.4900e-003	0.2526	0.0709	6.2000e-003	0.0771		1,187.8979	1,187.8979	0.0850		1,190.0228
Worker	0.5447	0.3205	4.1467	8.3900e-003	0.8701	5.1900e-003	0.8753	0.2308	4.7800e-003	0.2356		833.3449	833.3449	0.0336		834.1854
Total	**0.6696**	**4.4571**	**5.0429**	**0.0197**	**1.1162**	**0.0117**	**1.1279**	**0.3017**	**0.0110**	**0.3127**		**2,021.2428**	**2,021.2428**	**0.1186**		**2,024.2082**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1975	10.2966	56.1026	0.0950		0.1413	0.1413		0.1413	0.1413	0.0000	8,986.4219	8,986.4219	2.0749		9,038.2944
Total	**1.1975**	**10.2966**	**56.1026**	**0.0950**		**0.1413**	**0.1413**		**0.1413**	**0.1413**	**0.0000**	**8,986.4219**	**8,986.4219**	**2.0749**		**9,038.2944**

3.4 3 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1248	4.1366	0.8961	0.0113	0.2461	6.4900e-003	0.2526	0.0709	6.2000e-003	0.0771		1,187.8979	1,187.8979	0.0850		1,190.0228
Worker	0.5447	0.3205	4.1467	8.3900e-003	0.8701	5.1900e-003	0.8753	0.2308	4.7800e-003	0.2356		833.3449	833.3449	0.0336		834.1854
Total	**0.6696**	**4.4571**	**5.0429**	**0.0197**	**1.1162**	**0.0117**	**1.1279**	**0.3017**	**0.0110**	**0.3127**		**2,021.2428**	**2,021.2428**	**0.1186**		**2,024.2082**

3.4 3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.0036	44.6304	48.8748	0.0950		2.0257	2.0257		1.9235	1.9235		8,988.1568	8,988.1568	2.0566		9,039.5715
Total	**5.0036**	**44.6304**	**48.8748**	**0.0950**		**2.0257**	**2.0257**		**1.9235**	**1.9235**		**8,988.1568**	**8,988.1568**	**2.0566**		**9,039.5715**

3.4 3 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0987	3.2390	0.7887	0.0111	0.2461	2.5800e-003	0.2486	0.0709	2.4600e-003	0.0734		1,160.9444	1,160.9444	0.0605		1,162.4569
Worker	0.5095	0.2934	3.8289	8.0600e-003	0.8701	5.0400e-003	0.8752	0.2308	4.6400e-003	0.2354		801.6471	801.6471	0.0306		802.4126
Total	**0.6083**	**3.5324**	**4.6175**	**0.0191**	**1.1162**	**7.6200e-003**	**1.1238**	**0.3017**	**7.1000e-003**	**0.3088**		**1,962.5915**	**1,962.5915**	**0.0911**		**1,964.8695**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1975	10.2966	56.1026	0.0950		0.1413	0.1413		0.1413	0.1413	0.0000	8,988.1568	8,988.1568	2.0566		9,039.5715
Total	**1.1975**	**10.2966**	**56.1026**	**0.0950**		**0.1413**	**0.1413**		**0.1413**	**0.1413**	**0.0000**	**8,988.1568**	**8,988.1568**	**2.0566**		**9,039.5715**

3.4 3 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0987	3.2390	0.7887	0.0111	0.2461	2.5800e-003	0.2486	0.0709	2.4600e-003	0.0734		1,160.9444	1,160.9444	0.0605		1,162.4569
Worker	0.5095	0.2934	3.8289	8.0600e-003	0.8701	5.0400e-003	0.8752	0.2308	4.6400e-003	0.2354		801.6471	801.6471	0.0306		802.4126
Total	**0.6083**	**3.5324**	**4.6175**	**0.0191**	**1.1162**	**7.6200e-003**	**1.1238**	**0.3017**	**7.1000e-003**	**0.3088**		**1,962.5915**	**1,962.5915**	**0.0911**		**1,964.8695**

3.5 4 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9825	10.9031	9.2742	0.0174		0.4733	0.4733		0.4354	0.4354		1,684.1111	1,684.1111	0.5447		1,697.7280
Paving	0.0542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0366**	**10.9031**	**9.2742**	**0.0174**		**0.4733**	**0.4733**		**0.4354**	**0.4354**		**1,684.1111**	**1,684.1111**	**0.5447**		**1,697.7280**

3.5 4 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0731	0.0440	0.5631	1.0900e-003	0.1088	6.7000e-004	0.1094	0.0289	6.2000e-004	0.0295		108.1323	108.1323	4.6300e-003		108.2479
Total	**0.0731**	**0.0440**	**0.5631**	**1.0900e-003**	**0.1088**	**6.7000e-004**	**0.1094**	**0.0289**	**6.2000e-004**	**0.0295**		**108.1323**	**108.1323**	**4.6300e-003**		**108.2479**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2137	0.9259	11.6556	0.0174		0.0285	0.0285		0.0285	0.0285	0.0000	1,684.1111	1,684.1111	0.5447		1,697.7280
Paving	0.0542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.2678**	**0.9259**	**11.6556**	**0.0174**		**0.0285**	**0.0285**		**0.0285**	**0.0285**	**0.0000**	**1,684.1111**	**1,684.1111**	**0.5447**		**1,697.7280**

3.5 4 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0731	0.0440	0.5631	1.0900e-003	0.1088	6.7000e-004	0.1094	0.0289	6.2000e-004	0.0295		108.1323	108.1323	4.6300e-003		108.2479
Total	**0.0731**	**0.0440**	**0.5631**	**1.0900e-003**	**0.1088**	**6.7000e-004**	**0.1094**	**0.0289**	**6.2000e-004**	**0.0295**		**108.1323**	**108.1323**	**4.6300e-003**		**108.2479**

3.6 5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.1407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3833	2.6060	3.6222	5.9400e-003		0.1416	0.1416		0.1416	0.1416		562.8961	562.8961	0.0337		563.7380
Total	**49.5241**	**2.6060**	**3.6222**	**5.9400e-003**		**0.1416**	**0.1416**		**0.1416**	**0.1416**		**562.8961**	**562.8961**	**0.0337**		**563.7380**

3.6 5 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1029	0.0592	0.7731	1.6300e-003	0.1757	1.0200e-003	0.1767	0.0466	9.4000e-004	0.0475		161.8711	161.8711	6.1800e-003		162.0256
Total	**0.1029**	**0.0592**	**0.7731**	**1.6300e-003**	**0.1757**	**1.0200e-003**	**0.1767**	**0.0466**	**9.4000e-004**	**0.0475**		**161.8711**	**161.8711**	**6.1800e-003**		**162.0256**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	49.1407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0337		563.7380
Total	**49.2002**	**0.2575**	**3.6648**	**5.9400e-003**		**7.9200e-003**	**7.9200e-003**		**7.9200e-003**	**7.9200e-003**	**0.0000**	**562.8961**	**562.8961**	**0.0337**		**563.7380**

3.6 5 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1029	0.0592	0.7731	1.6300e-003	0.1757	1.0200e-003	0.1767	0.0466	9.4000e-004	0.0475		161.8711	161.8711	6.1800e-003		162.0256
Total	**0.1029**	**0.0592**	**0.7731**	**1.6300e-003**	**0.1757**	**1.0200e-003**	**0.1767**	**0.0466**	**9.4000e-004**	**0.0475**		**161.8711**	**161.8711**	**6.1800e-003**		**162.0256**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.5374	35.7508	58.5815	0.2262	14.3219	0.1042	14.4260	3.8425	0.0973	3.9398		23,196.3827	23,196.3827	1.1857		23,226.0252
Unmitigated	5.5374	35.7508	58.5815	0.2262	14.3219	0.1042	14.4260	3.8425	0.0973	3.9398		23,196.3827	23,196.3827	1.1857		23,226.0252

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	483.79	122.19	52.15	790,629	790,629
Hospital	1,986.88	1,823.36	1610.56	5,408,392	5,408,392
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	2,470.67	1,945.55	1,662.71	6,199,021	6,199,021

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
General Office Building	12.50	4.20	5.40	33.00	48.00	19.00	77	19	4
Hospital	12.50	4.20	5.40	64.90	16.10	19.00	73	25	2
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	12.50	4.20	5.40	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
General Office Building	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Hospital	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Other Asphalt Surfaces	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Other Non-Asphalt Surfaces	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3616	3.2870	2.7611	0.0197		0.2498	0.2498		0.2498	0.2498		3,944.3981	3,944.3981	0.0756	0.0723	3,967.8377
NaturalGas Unmitigated	0.3616	3.2870	2.7611	0.0197		0.2498	0.2498		0.2498	0.2498		3,944.3981	3,944.3981	0.0756	0.0723	3,967.8377

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	472.177	5.0900e-003	0.0463	0.0389	2.8000e-004		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003		55.5502	55.5502	1.0600e-003	1.0200e-003	55.8803
Hospital	33055.2	0.3565	3.2407	2.7222	0.0194		0.2463	0.2463		0.2463	0.2463		3,888.8479	3,888.8479	0.0745	0.0713	3,911.9574
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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		**0.3616**	**3.2870**	**2.7611**	**0.0197**		**0.2498**	**0.2498**		**0.2498**	**0.2498**		**3,944.3981**	**3,944.3981**	**0.0756**	**0.0723**	**3,967.8377**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.472177	5.0900e-003	0.0463	0.0389	2.8000e-004		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003		55.5502	55.5502	1.0600e-003	1.0200e-003	55.8803
Hospital	33.0552	0.3565	3.2407	2.7222	0.0194		0.2463	0.2463		0.2463	0.2463		3,888.8479	3,888.8479	0.0745	0.0713	3,911.9574
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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		**0.3616**	**3.2870**	**2.7611**	**0.0197**		**0.2498**	**0.2498**		**0.2498**	**0.2498**		**3,944.3981**	**3,944.3981**	**0.0756**	**0.0723**	**3,967.8377**

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	5.3238	3.3000e-004	0.0367	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0790	0.0790	2.1000e-004		0.0841
Unmitigated	5.3238	3.3000e-004	0.0367	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0790	0.0790	2.1000e-004		0.0841

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	0.8078					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.5126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3800e-003	3.3000e-004	0.0367	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0790	0.0790	2.1000e-004		0.0841
Total	**5.3238**	**3.3000e-004**	**0.0367**	**0.0000**		**1.3000e-004**	**1.3000e-004**		**1.3000e-004**	**1.3000e-004**		**0.0790**	**0.0790**	**2.1000e-004**		**0.0841**

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	0.8078					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.5126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3800e-003	3.3000e-004	0.0367	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0790	0.0790	2.1000e-004		0.0841
Total	**5.3238**	**3.3000e-004**	**0.0367**	**0.0000**		**1.3000e-004**	**1.3000e-004**		**1.3000e-004**	**1.3000e-004**		**0.0790**	**0.0790**	**2.1000e-004**		**0.0841**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

Betty Ford Center, More Intense Alt.

Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	49.67	1000sqft	1.14	49,667.00	0
Hospital	224.00	Bed	23.08	159,761.00	0
Other Asphalt Surfaces	53.88	1000sqft	1.24	53,877.00	0
Other Non-Asphalt Surfaces	33.25	1000sqft	0.76	33,252.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Betty Ford Center, More Intense Alt. - Salton Sea Air Basin, Winter

Project Characteristics - Assumes a 4 year buildout, starting in 2021 and ending 2024.

Land Use - More intense remodel, 224 beds total. Total SF = 209,428.

Construction Phase - Project will be developed in phases over a 4 year period. For analysis purposes, it is assumed that buildout would occur in one consective phase for approximately 2.5 years.

Off-road Equipment - Construction equipment provided by project proponent.

Off-road Equipment - Equipment listed provided by project proponent.

Off-road Equipment -

Off-road Equipment - Equipment list provided by project proponent.

Off-road Equipment - Equipment list provided by project proponent.

Off-road Equipment - Equipment list provided by project proponent.

Trips and VMT -

On-road Fugitive Dust - All roads will be paved.

Demolition - Demo includes removal of existing buildings.

Grading - Import/Export based on preliminary grading plans.

Architectural Coating - Use of low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Hospital daily trip rate based on 12/11/19 traffic counts; Office daily trip rate based on Traffic Report, ITE 10th Edition.

Road Dust - All roads will be paved.

Landscape Equipment - Project is located in a desert environment with higher than average temperature.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard/required PM10 control measures per SCAQMD Rule 403.1. All equipment fitted with Tier 4 engines

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	125.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	125.00
tblArchitecturalCoating	EF_Parking	150.00	125.00
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5

tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

Betty Ford Center, More Intense Alt. - Salton Sea Air Basin, Winter

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	45.00	90.00
tblConstructionPhase	NumDays	440.00	450.00
tblConstructionPhase	NumDays	35.00	60.00
tblConstructionPhase	NumDays	35.00	50.00
tblGrading	AcresOfGrading	157.50	30.00
tblGrading	MaterialExported	0.00	26,217.00
tblLandUse	LandUseSquareFeet	49,670.00	49,667.00
tblLandUse	LandUseSquareFeet	160,329.70	159,761.00
tblLandUse	LandUseSquareFeet	53,880.00	53,877.00
tblLandUse	LandUseSquareFeet	33,250.00	33,252.00
tblLandUse	LotAcreage	3.68	23.08
tblOffRoadEquipment	HorsePower	172.00	402.00
tblOffRoadEquipment	LoadFactor	0.42	0.38
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00

tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	12.94	8.87

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	10.4399	106.0284	80.6603	0.2006	5.4698	4.2733	9.7431	2.2565	4.0115	6.2680	0.0000	19,549.4531	19,549.4531	4.1897	0.0000	19,654.1957
2022	5.9533	53.0739	53.2887	0.1128	1.1162	2.3040	3.4202	0.3017	2.1889	2.4906	0.0000	10,814.3822	10,814.3822	2.1974	0.0000	10,869.3177
2023	55.1431	50.7915	56.6942	0.1196	1.2919	2.1761	3.4680	0.3483	2.0733	2.4216	0.0000	11,463.3298	11,463.3298	2.1876	0.0000	11,518.0182
Maximum	**55.1431**	**106.0284**	**80.6603**	**0.2006**	**5.4698**	**4.2733**	**9.7431**	**2.2565**	**4.0115**	**6.2680**	**0.0000**	**19,549.4531**	**19,549.4531**	**4.1897**	**0.0000**	**19,654.1957**

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	2.8868	26.0746	91.9523	0.2006	3.3821	0.2747	3.6568	1.2183	0.2727	1.4910	0.0000	19,549.4531	19,549.4531	4.1897	0.0000	19,654.1957
2022	1.7826	14.7203	60.1350	0.1128	1.1162	0.1533	1.2695	0.3017	0.1526	0.4543	0.0000	10,814.3822	10,814.3822	2.1974	0.0000	10,869.3177
2023	51.0131	14.1092	63.9646	0.1196	1.2919	0.1580	1.4499	0.3483	0.1574	0.5057	0.0000	11,463.3298	11,463.3298	2.1876	0.0000	11,518.0182
Maximum	**51.0131**	**26.0746**	**91.9523**	**0.2006**	**3.3821**	**0.2747**	**3.6568**	**1.2183**	**0.2727**	**1.4910**	**0.0000**	**19,549.4531**	**19,549.4531**	**4.1897**	**0.0000**	**19,654.1957**

Betty Ford Center, More Intense Alt. - Salton Sea Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**22.16**	**73.84**	**-13.33**	**0.00**	**26.50**	**93.31**	**61.66**	**35.72**	**92.96**	**78.08**	**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	5.3238	3.3000e-004	0.0367	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0790	0.0790	2.1000e-004		0.0841
Energy	0.3616	3.2870	2.7611	0.0197		0.2498	0.2498		0.2498	0.2498		3,944.3981	3,944.3981	0.0756	0.0723	3,967.8377
Mobile	4.0353	35.4273	46.5555	0.2034	14.3219	0.1051	14.4270	3.8425	0.0982	3.9407		20,899.0438	20,899.0438	1.1921		20,928.8461
Total	**9.7207**	**38.7146**	**49.3534**	**0.2231**	**14.3219**	**0.3550**	**14.6769**	**3.8425**	**0.3481**	**4.1906**		**24,843.5209**	**24,843.5209**	**1.2679**	**0.0723**	**24,896.7679**

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	5.3238	3.3000e-004	0.0367	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0790	0.0790	2.1000e-004		0.0841
Energy	0.3616	3.2870	2.7611	0.0197		0.2498	0.2498		0.2498	0.2498		3,944.3981	3,944.3981	0.0756	0.0723	3,967.8377
Mobile	4.0353	35.4273	46.5555	0.2034	14.3219	0.1051	14.4270	3.8425	0.0982	3.9407		20,899.0438	20,899.0438	1.1921		20,928.8461
Total	**9.7207**	**38.7146**	**49.3534**	**0.2231**	**14.3219**	**0.3550**	**14.6769**	**3.8425**	**0.3481**	**4.1906**		**24,843.5209**	**24,843.5209**	**1.2679**	**0.0723**	**24,896.7679**

	ROG	NOx	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	1 Demolition	Demolition	1/1/2021	3/25/2021	5	60	
2	2 Grading	Grading	3/26/2021	7/29/2021	5	90	
3	3 Building Construction	Building Construction	6/18/2021	3/9/2023	5	450	
4	4 Paving	Paving	7/30/2021	10/21/2021	5	60	
5	5 Architectural Coating	Architectural Coating	2/1/2023	4/11/2023	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 314,142; Non-Residential Outdoor: 104,714; Striped Parking Area: 5,228 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
1 Demolition	Aerial Lifts	2	4.00	63	0.31
1 Demolition	Concrete/Industrial Saws	2	4.00	81	0.73
1 Demolition	Cranes	1	4.00	231	0.29
1 Demolition	Crawler Tractors	1	4.00	212	0.43
1 Demolition	Crushing/Proc. Equipment	1	4.00	85	0.78

1 Demolition	Excavators	2	4.00	158	0.38
1 Demolition	Generator Sets	2	4.00	84	0.74
1 Demolition	Off-Highway Tractors	1	4.00	124	0.44
1 Demolition	Off-Highway Trucks	2	4.00	402	0.38
1 Demolition	Rough Terrain Forklifts	1	4.00	100	0.40
1 Demolition	Rubber Tired Dozers	2	4.00	247	0.40
1 Demolition	Rubber Tired Loaders	2	4.00	203	0.36
1 Demolition	Skid Steer Loaders	2	4.00	65	0.37
1 Demolition	Sweepers/Scrubbers	1	4.00	64	0.46
1 Demolition	Tractors/Loaders/Backhoes	2	4.00	97	0.37
2 Grading	Crawler Tractors	2	4.00	212	0.43
2 Grading	Excavators	2	4.00	158	0.38
2 Grading	Graders	1	4.00	187	0.41
2 Grading	Off-Highway Tractors	1	4.00	124	0.44
2 Grading	Off-Highway Trucks	2	4.00	402	0.38
2 Grading	Rubber Tired Dozers	1	4.00	247	0.40
2 Grading	Rubber Tired Loaders	1	4.00	203	0.36
2 Grading	Scrapers	2	4.00	367	0.48
2 Grading	Tractors/Loaders/Backhoes	2	4.00	97	0.37
3 Building Construction	Aerial Lifts	3	4.00	63	0.31
3 Building Construction	Air Compressors	2	4.00	78	0.48
3 Building Construction	Bore/Drill Rigs	1	4.00	221	0.50
3 Building Construction	Cement and Mortar Mixers	1	4.00	9	0.56
3 Building Construction	Concrete/Industrial Saws	2	4.00	81	0.73
3 Building Construction	Cranes	2	4.00	231	0.29
3 Building Construction	Crawler Tractors	2	4.00	212	0.43
3 Building Construction	Excavators	2	4.00	158	0.38

3 Building Construction	Forklifts	2	4.00	89	0.20
3 Building Construction	Generator Sets	2	4.00	84	0.74
3 Building Construction	Off-Highway Tractors	1	4.00	124	0.44
3 Building Construction	Other Construction Equipment	2	4.00	402	0.38
3 Building Construction	Plate Compactors	2	4.00	8	0.43
3 Building Construction	Pressure Washers	2	4.00	13	0.30
3 Building Construction	Pumps	3	4.00	84	0.74
3 Building Construction	Rollers	1	4.00	80	0.38
3 Building Construction	Rough Terrain Forklifts	2	4.00	100	0.40
3 Building Construction	Skid Steer Loaders	2	4.00	65	0.37
3 Building Construction	Sweepers/Scrubbers	1	4.00	64	0.46
3 Building Construction	Tractors/Loaders/Backhoes	3	4.00	97	0.37
3 Building Construction	Trenchers	2	4.00	78	0.50
3 Building Construction	Welders	3	4.00	46	0.45
3 Building Construction	Welders	3	4.00	46	0.45
4 Paving	Excavators	1	6.00	158	0.38
4 Paving	Graders	1	6.00	187	0.41
4 Paving	Pavers	1	6.00	130	0.42
4 Paving	Paving Equipment	1	6.00	132	0.36
4 Paving	Rollers	1	6.00	80	0.38
5 Architectural Coating	Air Compressors	2	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
1 Demolition	24	60.00	0.00	235.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
2 Grading	14	35.00	0.00	3,277.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
3 Building Construction	46	104.00	49.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
4 Paving	5	13.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
5 Architectural Coating	2	21.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

3.2 1 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					0.8812	0.0000	0.8812	0.1334	0.0000	0.1334			0.0000			0.0000
Off-Road	4.3053	42.7264	32.6659	0.0685		1.9661	1.9661		1.8444	1.8444		6,600.0401	6,600.0401	1.7230		6,643.1140
Total	**4.3053**	**42.7264**	**32.6659**	**0.0685**	**0.8812**	**1.9661**	**2.8473**	**0.1334**	**1.8444**	**1.9778**		**6,600.0401**	**6,600.0401**	**1.7230**		**6,643.1140**

3.2 1 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0209	0.8502	0.1315	2.9500e-003	0.0687	2.5700e-003	0.0712	0.0188	2.4600e-003	0.0213		310.1862	310.1862	0.0167		310.6042
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2789	0.2089	1.8550	4.2200e-003	0.5020	3.0900e-003	0.5051	0.1332	2.8500e-003	0.1360		419.3453	419.3453	0.0169		419.7680
Total	**0.2999**	**1.0592**	**1.9865**	**7.1700e-003**	**0.5707**	**5.6600e-003**	**0.5763**	**0.1520**	**5.3100e-003**	**0.1573**		**729.5315**	**729.5315**	**0.0336**		**730.3722**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.3437	0.0000	0.3437	0.0520	0.0000	0.0520			0.0000			0.0000
Off-Road	0.8656	6.0336	38.8929	0.0685		0.1072	0.1072		0.1072	0.1072	0.0000	6,600.0401	6,600.0401	1.7230		6,643.1140
Total	**0.8656**	**6.0336**	**38.8929**	**0.0685**	**0.3437**	**0.1072**	**0.4509**	**0.0520**	**0.1072**	**0.1592**	**0.0000**	**6,600.0401**	**6,600.0401**	**1.7230**		**6,643.1140**

3.2 1 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0209	0.8502	0.1315	2.9500e-003	0.0687	2.5700e-003	0.0712	0.0188	2.4600e-003	0.0213		310.1862	310.1862	0.0167		310.6042
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2789	0.2089	1.8550	4.2200e-003	0.5020	3.0900e-003	0.5051	0.1332	2.8500e-003	0.1360		419.3453	419.3453	0.0169		419.7680
Total	**0.2999**	**1.0592**	**1.9865**	**7.1700e-003**	**0.5707**	**5.6600e-003**	**0.5763**	**0.1520**	**5.3100e-003**	**0.1573**		**729.5315**	**729.5315**	**0.0336**		**730.3722**

3.3 2 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4226	0.0000	3.4226	1.7021	0.0000	1.7021			0.0000			0.0000
Off-Road	3.5484	38.6429	23.8270	0.0575		1.5742	1.5742		1.4482	1.4482		5,572.5608	5,572.5608	1.8023		5,617.6178
Total	**3.5484**	**38.6429**	**23.8270**	**0.0575**	**3.4226**	**1.5742**	**4.9967**	**1.7021**	**1.4482**	**3.1503**		**5,572.5608**	**5,572.5608**	**1.8023**		**5,617.6178**

3.3 2 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1945	7.9042	1.2221	0.0274	0.6382	0.0239	0.6621	0.1751	0.0229	0.1980		2,883.6316	2,883.6316	0.1554		2,887.5176
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1627	0.1219	1.0821	2.4600e-003	0.2928	1.8000e-003	0.2946	0.0777	1.6600e-003	0.0793		244.6181	244.6181	9.8600e-003		244.8647
Total	**0.3573**	**8.0261**	**2.3042**	**0.0299**	**0.9311**	**0.0257**	**0.9568**	**0.2527**	**0.0246**	**0.2773**		**3,128.2497**	**3,128.2497**	**0.1653**		**3,132.3823**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.3348	0.0000	1.3348	0.6638	0.0000	0.6638			0.0000			0.0000
Off-Road	0.7064	3.0612	29.1620	0.0575		0.0942	0.0942		0.0942	0.0942	0.0000	5,572.5608	5,572.5608	1.8023		5,617.6178
Total	**0.7064**	**3.0612**	**29.1620**	**0.0575**	**1.3348**	**0.0942**	**1.4290**	**0.6638**	**0.0942**	**0.7580**	**0.0000**	**5,572.5608**	**5,572.5608**	**1.8023**		**5,617.6178**

3.3 2 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1945	7.9042	1.2221	0.0274	0.6382	0.0239	0.6621	0.1751	0.0229	0.1980		2,883.6316	2,883.6316	0.1554		2,887.5176
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1627	0.1219	1.0821	2.4600e-003	0.2928	1.8000e-003	0.2946	0.0777	1.6600e-003	0.0793		244.6181	244.6181	9.8600e-003		244.8647
Total	**0.3573**	**8.0261**	**2.3042**	**0.0299**	**0.9311**	**0.0257**	**0.9568**	**0.2527**	**0.0246**	**0.2773**		**3,128.2497**	**3,128.2497**	**0.1653**		**3,132.3823**

3.4 3 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.9086	54.6687	50.1457	0.0950		2.6599	2.6599		2.5260	2.5260		8,984.3051	8,984.3051	2.0897		9,036.5487
Total	**5.9086**	**54.6687**	**50.1457**	**0.0950**		**2.6599**	**2.6599**		**2.5260**	**2.5260**		**8,984.3051**	**8,984.3051**	**2.0897**		**9,036.5487**

3.4 3 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1422	4.3286	1.1681	0.0109	0.2461	8.1200e-003	0.2542	0.0709	7.7700e-003	0.0787		1,137.4724	1,137.4724	0.1031		1,140.0491
Worker	0.4835	0.3621	3.2154	7.3100e-003	0.8701	5.3600e-003	0.8755	0.2308	4.9400e-003	0.2357		726.8652	726.8652	0.0293		727.5979
Total	**0.6257**	**4.6907**	**4.3834**	**0.0182**	**1.1162**	**0.0135**	**1.1297**	**0.3017**	**0.0127**	**0.3144**		**1,864.3376**	**1,864.3376**	**0.1324**		**1,867.6470**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1975	10.2966	56.1026	0.0950		0.1413	0.1413		0.1413	0.1413	0.0000	8,984.3051	8,984.3051	2.0897		9,036.5487
Total	**1.1975**	**10.2966**	**56.1026**	**0.0950**		**0.1413**	**0.1413**		**0.1413**	**0.1413**	**0.0000**	**8,984.3051**	**8,984.3051**	**2.0897**		**9,036.5487**

3.4 3 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1422	4.3286	1.1681	0.0109	0.2461	8.1200e-003	0.2542	0.0709	7.7700e-003	0.0787		1,137.4724	1,137.4724	0.1031		1,140.0491
Worker	0.4835	0.3621	3.2154	7.3100e-003	0.8701	5.3600e-003	0.8755	0.2308	4.9400e-003	0.2357		726.8652	726.8652	0.0293		727.5979
Total	**0.6257**	**4.6907**	**4.3834**	**0.0182**	**1.1162**	**0.0135**	**1.1297**	**0.3017**	**0.0127**	**0.3144**		**1,864.3376**	**1,864.3376**	**0.1324**		**1,867.6470**

3.4 3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.3682	48.6502	49.2563	0.0950		2.2920	2.2920		2.1776	2.1776		8,986.4219	8,986.4219	2.0749		9,038.2944
Total	**5.3682**	**48.6502**	**49.2563**	**0.0950**		**2.2920**	**2.2920**		**2.1776**	**2.1776**		**8,986.4219**	**8,986.4219**	**2.0749**		**9,038.2944**

3.4 3 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1322	4.0941	1.0800	0.0108	0.2461	6.8300e-003	0.2529	0.0709	6.5300e-003	0.0774		1,127.6712	1,127.6712	0.0958		1,130.0666
Worker	0.4528	0.3297	2.9524	7.0400e-003	0.8701	5.1900e-003	0.8753	0.2308	4.7800e-003	0.2356		700.2891	700.2891	0.0267		700.9566
Total	**0.5851**	**4.4237**	**4.0324**	**0.0178**	**1.1162**	**0.0120**	**1.1282**	**0.3017**	**0.0113**	**0.3130**		**1,827.9603**	**1,827.9603**	**0.1225**		**1,831.0233**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1975	10.2966	56.1026	0.0950		0.1413	0.1413		0.1413	0.1413	0.0000	8,986.4219	8,986.4219	2.0749		9,038.2944
Total	**1.1975**	**10.2966**	**56.1026**	**0.0950**		**0.1413**	**0.1413**		**0.1413**	**0.1413**	**0.0000**	**8,986.4219**	**8,986.4219**	**2.0749**		**9,038.2944**

3.4 3 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1322	4.0941	1.0800	0.0108	0.2461	6.8300e-003	0.2529	0.0709	6.5300e-003	0.0774		1,127.6712	1,127.6712	0.0958		1,130.0666
Worker	0.4528	0.3297	2.9524	7.0400e-003	0.8701	5.1900e-003	0.8753	0.2308	4.7800e-003	0.2356		700.2891	700.2891	0.0267		700.9566
Total	**0.5851**	**4.4237**	**4.0324**	**0.0178**	**1.1162**	**0.0120**	**1.1282**	**0.3017**	**0.0113**	**0.3130**		**1,827.9603**	**1,827.9603**	**0.1225**		**1,831.0233**

3.4 3 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.0036	44.6304	48.8748	0.0950		2.0257	2.0257		1.9235	1.9235		8,988.1568	8,988.1568	2.0566		9,039.5715
Total	**5.0036**	**44.6304**	**48.8748**	**0.0950**		**2.0257**	**2.0257**		**1.9235**	**1.9235**		**8,988.1568**	**8,988.1568**	**2.0566**		**9,039.5715**

3.4 3 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1040	3.1929	0.9276	0.0105	0.2461	2.6800e-003	0.2487	0.0709	2.5600e-003	0.0735		1,102.5085	1,102.5085	0.0680		1,104.2072
Worker	0.4256	0.3014	2.7203	6.7700e-003	0.8701	5.0400e-003	0.8752	0.2308	4.6400e-003	0.2354		673.7273	673.7273	0.0244		674.3373
Total	**0.5295**	**3.4943**	**3.6478**	**0.0173**	**1.1162**	**7.7200e-003**	**1.1239**	**0.3017**	**7.2000e-003**	**0.3089**		**1,776.2358**	**1,776.2358**	**0.0924**		**1,778.5445**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1975	10.2966	56.1026	0.0950		0.1413	0.1413		0.1413	0.1413	0.0000	8,988.1568	8,988.1568	2.0566		9,039.5715
Total	**1.1975**	**10.2966**	**56.1026**	**0.0950**		**0.1413**	**0.1413**		**0.1413**	**0.1413**	**0.0000**	**8,988.1568**	**8,988.1568**	**2.0566**		**9,039.5715**

3.4 3 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1040	3.1929	0.9276	0.0105	0.2461	2.6800e-003	0.2487	0.0709	2.5600e-003	0.0735		1,102.5085	1,102.5085	0.0680		1,104.2072
Worker	0.4256	0.3014	2.7203	6.7700e-003	0.8701	5.0400e-003	0.8752	0.2308	4.6400e-003	0.2354		673.7273	673.7273	0.0244		674.3373
Total	**0.5295**	**3.4943**	**3.6478**	**0.0173**	**1.1162**	**7.7200e-003**	**1.1239**	**0.3017**	**7.2000e-003**	**0.3089**		**1,776.2358**	**1,776.2358**	**0.0924**		**1,778.5445**

3.5 4 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9825	10.9031	9.2742	0.0174		0.4733	0.4733		0.4354	0.4354		1,684.1111	1,684.1111	0.5447		1,697.7280
Paving	0.0542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0366**	**10.9031**	**9.2742**	**0.0174**		**0.4733**	**0.4733**		**0.4354**	**0.4354**		**1,684.1111**	**1,684.1111**	**0.5447**		**1,697.7280**

3.5 4 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0604	0.0453	0.4019	9.1000e-004	0.1088	6.7000e-004	0.1094	0.0289	6.2000e-004	0.0295		90.8582	90.8582	3.6600e-003		90.9497
Total	**0.0604**	**0.0453**	**0.4019**	**9.1000e-004**	**0.1088**	**6.7000e-004**	**0.1094**	**0.0289**	**6.2000e-004**	**0.0295**		**90.8582**	**90.8582**	**3.6600e-003**		**90.9497**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2137	0.9259	11.6556	0.0174		0.0285	0.0285		0.0285	0.0285	0.0000	1,684.1111	1,684.1111	0.5447		1,697.7280
Paving	0.0542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.2678**	**0.9259**	**11.6556**	**0.0174**		**0.0285**	**0.0285**		**0.0285**	**0.0285**	**0.0000**	**1,684.1111**	**1,684.1111**	**0.5447**		**1,697.7280**

3.5 4 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0604	0.0453	0.4019	9.1000e-004	0.1088	6.7000e-004	0.1094	0.0289	6.2000e-004	0.0295		90.8582	90.8582	3.6600e-003		90.9497
Total	**0.0604**	**0.0453**	**0.4019**	**9.1000e-004**	**0.1088**	**6.7000e-004**	**0.1094**	**0.0289**	**6.2000e-004**	**0.0295**		**90.8582**	**90.8582**	**3.6600e-003**		**90.9497**

3.6 5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.1407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3833	2.6060	3.6222	5.9400e-003		0.1416	0.1416		0.1416	0.1416		562.8961	562.8961	0.0337		563.7380
Total	**49.5241**	**2.6060**	**3.6222**	**5.9400e-003**		**0.1416**	**0.1416**		**0.1416**	**0.1416**		**562.8961**	**562.8961**	**0.0337**		**563.7380**

3.6 5 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0859	0.0609	0.5493	1.3700e-003	0.1757	1.0200e-003	0.1767	0.0466	9.4000e-004	0.0475		136.0411	136.0411	4.9300e-003		136.1643
Total	**0.0859**	**0.0609**	**0.5493**	**1.3700e-003**	**0.1757**	**1.0200e-003**	**0.1767**	**0.0466**	**9.4000e-004**	**0.0475**		**136.0411**	**136.0411**	**4.9300e-003**		**136.1643**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	49.1407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	0.2575	3.6648	5.9400e-003		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	562.8961	562.8961	0.0337		563.7380
Total	**49.2002**	**0.2575**	**3.6648**	**5.9400e-003**		**7.9200e-003**	**7.9200e-003**		**7.9200e-003**	**7.9200e-003**	**0.0000**	**562.8961**	**562.8961**	**0.0337**		**563.7380**

3.6 5 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0859	0.0609	0.5493	1.3700e-003	0.1757	1.0200e-003	0.1767	0.0466	9.4000e-004	0.0475		136.0411	136.0411	4.9300e-003		136.1643
Total	**0.0859**	**0.0609**	**0.5493**	**1.3700e-003**	**0.1757**	**1.0200e-003**	**0.1767**	**0.0466**	**9.4000e-004**	**0.0475**		**136.0411**	**136.0411**	**4.9300e-003**		**136.1643**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.0353	35.4273	46.5555	0.2034	14.3219	0.1051	14.4270	3.8425	0.0982	3.9407		20,899.0438	20,899.0438	1.1921		20,928.8461
Unmitigated	4.0353	35.4273	46.5555	0.2034	14.3219	0.1051	14.4270	3.8425	0.0982	3.9407		20,899.0438	20,899.0438	1.1921		20,928.8461

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	483.79	122.19	52.15	790,629	790,629
Hospital	1,986.88	1,823.36	1610.56	5,408,392	5,408,392
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	2,470.67	1,945.55	1,662.71	6,199,021	6,199,021

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
General Office Building	12.50	4.20	5.40	33.00	48.00	19.00	77	19	4
Hospital	12.50	4.20	5.40	64.90	16.10	19.00	73	25	2
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	12.50	4.20	5.40	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
General Office Building	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Hospital	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Other Asphalt Surfaces	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719
Other Non-Asphalt Surfaces	0.497854	0.034987	0.187587	0.114827	0.013138	0.004910	0.022652	0.111324	0.003120	0.001843	0.006265	0.000773	0.000719

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3616	3.2870	2.7611	0.0197		0.2498	0.2498		0.2498	0.2498		3,944.3981	3,944.3981	0.0756	0.0723	3,967.8377
NaturalGas Unmitigated	0.3616	3.2870	2.7611	0.0197		0.2498	0.2498		0.2498	0.2498		3,944.3981	3,944.3981	0.0756	0.0723	3,967.8377

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	472.177	5.0900e-003	0.0463	0.0389	2.8000e-004		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003		55.5502	55.5502	1.0600e-003	1.0200e-003	55.8803
Hospital	33055.2	0.3565	3.2407	2.7222	0.0194		0.2463	0.2463		0.2463	0.2463		3,888.8479	3,888.8479	0.0745	0.0713	3,911.9574
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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		**0.3616**	**3.2870**	**2.7611**	**0.0197**		**0.2498**	**0.2498**		**0.2498**	**0.2498**		**3,944.3981**	**3,944.3981**	**0.0756**	**0.0723**	**3,967.8377**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.472177	5.0900e-003	0.0463	0.0389	2.8000e-004		3.5200e-003	3.5200e-003		3.5200e-003	3.5200e-003		55.5502	55.5502	1.0600e-003	1.0200e-003	55.8803
Hospital	33.0552	0.3565	3.2407	2.7222	0.0194		0.2463	0.2463		0.2463	0.2463		3,888.8479	3,888.8479	0.0745	0.0713	3,911.9574
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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		**0.3616**	**3.2870**	**2.7611**	**0.0197**		**0.2498**	**0.2498**		**0.2498**	**0.2498**		**3,944.3981**	**3,944.3981**	**0.0756**	**0.0723**	**3,967.8377**

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	5.3238	3.3000e-004	0.0367	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0790	0.0790	2.1000e-004		0.0841
Unmitigated	5.3238	3.3000e-004	0.0367	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0790	0.0790	2.1000e-004		0.0841

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	0.8078					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.5126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3800e-003	3.3000e-004	0.0367	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0790	0.0790	2.1000e-004		0.0841
Total	**5.3238**	**3.3000e-004**	**0.0367**	**0.0000**		**1.3000e-004**	**1.3000e-004**		**1.3000e-004**	**1.3000e-004**		**0.0790**	**0.0790**	**2.1000e-004**		**0.0841**

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	0.8078					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.5126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3800e-003	3.3000e-004	0.0367	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0790	0.0790	2.1000e-004		0.0841
Total	**5.3238**	**3.3000e-004**	**0.0367**	**0.0000**		**1.3000e-004**	**1.3000e-004**		**1.3000e-004**	**1.3000e-004**		**0.0790**	**0.0790**	**2.1000e-004**		**0.0841**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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