APPENDIX B

Air Quality and Greenhouse Gas Report
for the
College of the Desert West Valley Campus

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January, 2016

AIR QUALITY AND GREENHOUSE GAS REPORT

College of the Desert
West Valley Campus

City of Palm Springs,
Riverside County, California

Prepared for:

Desert Community College District
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SECTION I. INTRODUCTION & PROJECT DESCRIPTION

A. Introduction

The purpose of this report is to assess the potential air quality impacts associated with the construction and operation of the proposed College of the Desert West Valley Campus. This report also analyzes project alternatives, including No Project, More Intense Development, North Palm Springs Site Development, and Mall Repurposing. 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.

B. Project Description

The College of the Desert/Desert Community College District (District) proposes to develop its West Valley Campus (WVC) on approximately 29.11± acres currently occupied by the largely vacant Palm Springs Mall. The site also includes Camelot Festival Theaters and a Jack-in-the-Box restaurant. These two building would remain. The Palm Springs Mall building encompasses approximately 332,000 square feet and would be demolished to allow development of the campus. The subject property is located in the heart of the City of Palm Springs in the western Coachella Valley area of Riverside County.

The WVC campus master plan tentatively calls for a total of approximately 330,000 square feet to be constructed in phases and to include core campus, academic pillar/partnership space, ancillary campus buildings, a conference center and limited campus-oriented retail. The COD West Valley Campus will be comprised of classrooms, lecture halls, labs, conference facilities, administrative offices, and other support facilities to accommodate an enrollment of approximately 3,000 full-time equivalent students (FTES). The campus master plan will also make provision for a City, College or joint use library.

A variety of facilities are planned to support core and academic pillar curricula while achieving the District's goal of a sustainable campus. Other site improvements will include areas for open space and stormwater management, parking, campus and grounds maintenance shops, and storage. Ancillary retail facilities will include such uses as a bookstore, food court, copy center, convenience goods and services.

The West Valley Campus may integrate renewable energy technologies, primarily photovoltaic (PV), on campus buildings and parking structures; the application of solar thermal technology and passive solar design will also be considered. Campus PV facilities could meet a substantial portion of the campus' electrical energy needs. Other aspects and components of sustainable design, including water use, are also being considered for incorporation into the campus design. The following is a preliminary allocation of planned space at the new West Valley Campus; it is expected to evolve with the development of the campus master plan and Phase I project.

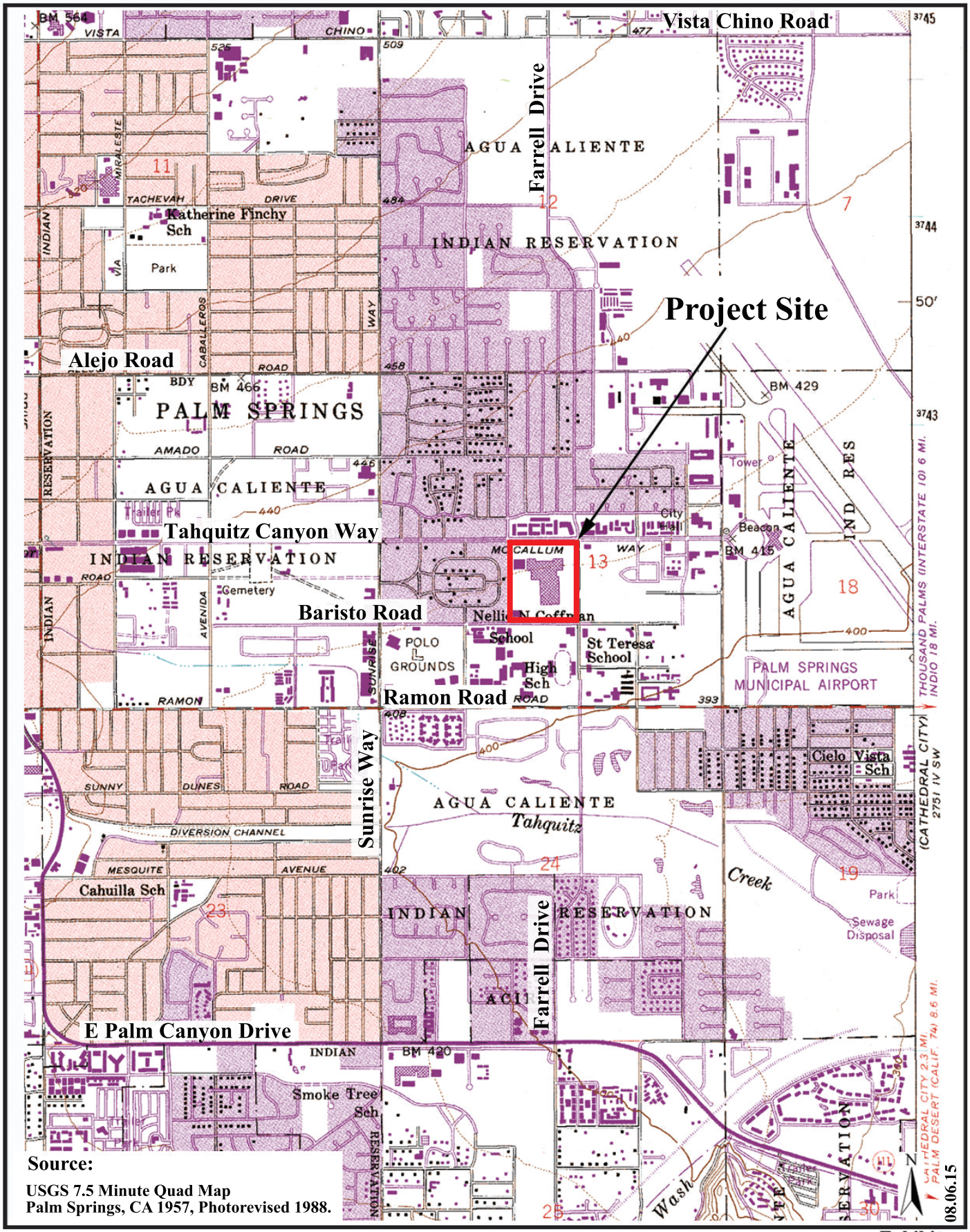
College of the Desert West Valley Campus Preliminary Space Allocation					
Development Phase	Academic SF	Ancillary Uses SF[2]	Total SF	FTES	Parking
Phase I	50,000			200	160
Phase II	50,000			808	240
Phase III	50,000			500	160
Phase IV	50,000			806	240
Phase V	50,000			686	210
Library		30,000			90
Conference Center		40,000			200
Campus Retail		10,000			30
Totals	**250,000**	**80,000**	**330,000**	**3,000**	**1,330**

C. Project Location

The site is located within the west ½ of the southeast ¼ and in the east half of the southwest ¼ of Section 13, T.4S., R.4E., SBB&M. The subject lands are currently the site of the largely vacant Palm Springs Mall, the Camelot Festival Theaters and a Jack-in-the-Box restaurant. The site is bounded on the north by Tahquitz Canyon Way, on the east by Farrell Drive, on the south by Baristo Road, and on the west by a single-family residential neighborhood and limited professional office along Tahquitz Canyon Way. Access to the site is from signalized driveways on Tahquitz Canyon Way and Baristo Road, and from uncontrolled driveways located along Tahquitz Canyon Way, Farrell Drive and Baristo Road.

The campus master plan directly or indirectly involves the following parcels:

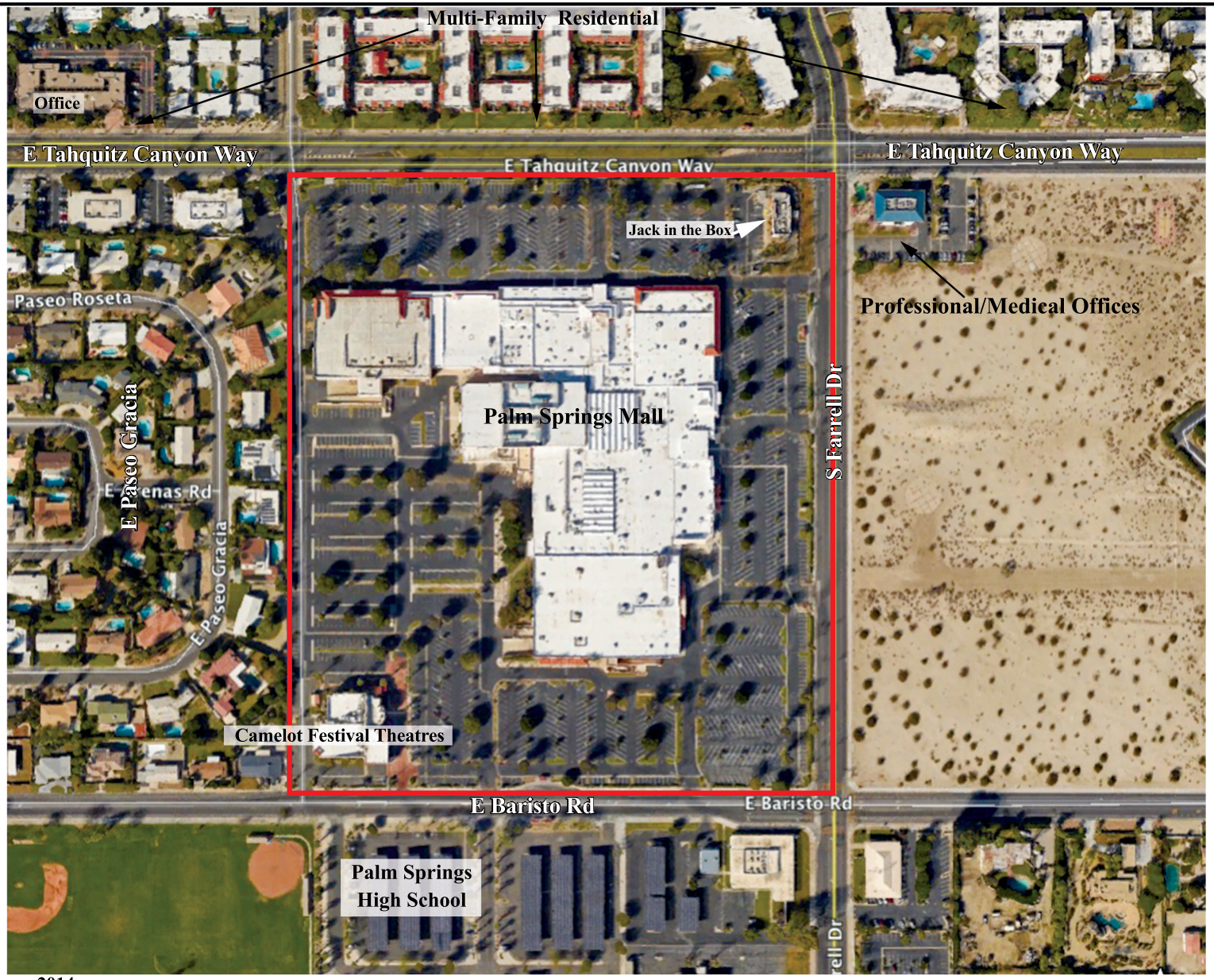
- 502-190-003, 004, 008, 015, 017, 018, 019 and 020



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College of the Desert - West Valley Campus
Vicinity Map
Palm Springs, California

Exhibit
1



Source: Google Imagery 2014

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College of the Desert -West Valley Campus
Aerial View of Campus
Palm Springs, California

Exhibit

2

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.

Existing criteria pollutant emissions for the Palm Springs Mall were calculated using CalEEMod Version 2013.2.2. Air quality modeling was prepared for two scenarios: the mall at the current 6% occupancy (Kaplan College, 20,000± SF, 300 students), and the mall at full occupancy (Kaplan College plus 312,000 SF of regional shopping). The table below provides estimated air emissions for operation of the Palm Springs Mall under these two scenarios.

Table 1
Existing Operational Emissions of Criteria Pollutants (Lbs/Day)
Palm Springs Mall

Existing Mall	**CO**	**NO_x**	**ROG**	**SO_x**	**PM_{10}**	**$PM_{2.5}$**
6% Occupancy	15.45	3.50	2.12	0.02	1.40	0.41
Full Occupancy	677.11	146.18	82.87	0.69	46.37	13.70
Source: CalEEMod Versions 2013.2.2. See Appendix A for detailed tables. Value shown represents average daily unmitigated emission across summer and winter activities.						

Table 2
Existing Operational Emissions of Greenhouse Gases (MT/Year)
Palm Springs Mall

Existing Mall	**CO_2**	**CH_4**	**N_2O**	**CO_2e**
6% Occupancy	318.22	0.35	0.00	326.24
Full Occupancy	9,339.52	5.16	0.03	9,458.39
Source: CalEEMod Versions 2013.2.2. See Appendix A for detailed tables.				

It should also be noted that the existing Mall has a food court and a full restaurant space, both of which have been vacant for the past few years. Assuming full mall occupancy, use of such spaces will generate odors associated with food prep and dining. It is required that ventilation hoods and all other food prep equipment are installed and maintained in accordance with applicable California Health and Safety Codes to reduce odors and other potential hazards. Food related odors generated from the existing mall would be comparable to the existing Jack in the Box restaurant on site.

A. Climatic Conditions and Air Quality

The proposed WVC 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 PM10 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 PM10 standards.[1] On April 18, 2003, the EPA approved the updated CVSIP.

The SSAB, including the City of Palm Springs, 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 2012 Air Quality Management Plan[3] 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 two monitoring sites in the Coachella Valley, one in Palm Springs and one in Indio.

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

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

b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation;

c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors);

d) Expose sensitive receptors to substantial pollutant concentrations; or

e) Create objectionable odors affecting a substantial number of people.

In addition, the COD WVC Master Plan and Phase I 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.

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.
3 "Final 2012 Air Quality Management Plan," prepared by the South Coast Air Quality Management District, December 2012.

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).

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 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**	
	Averaging Time	Concentration	Averaging Time	Concentration
Ozone (O_3)	1-hour 8-hour	0.09 ppm 0.07 ppm	1-hour 8-hour	 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	 AAM	0.10 ppm* 0.053 ppm
Sulfur Dioxide (SO_2)	1-hour 24-hour	0.25 ppm 0.04 ppm	1 & 24 hour AAM	.075ppm**
Particulate Matter (PM_{10})	24-hour AAM	50 μg/m^3 20 μg/m^3	24-hour AAM	150 μg/m^3
Particulate Matter ($PM_{2.5}$)	AAM 24-hour	12 μg/m^3 35 μg/m^3	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 Standard	No federal Standard
Sulfates	24-hour	25μg/m^3	No federal Standard	No federal Standard
Hydrogen Sulfide	 1-hour	 0.03 ppm	No federal Standard	No federal Standard
Vinyl Chloride	24-hour	0.01 ppm	No federal Standard	No federal Standard

Source: California Air Resources Board, 06/04/13
Notes: ppm = parts per million; ppb= parts per billion; μg/ m^3 = micrograms per cubic meter of air;
AAM = Annual Arithmetic Mean; * Note that this standard became effective as of January 22,2010.
** Final rule signed June 2, 2010, effective as of August 23,2010

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 3 above for attainment standards.

D. Regional Air Quality Monitoring

The South Coast Air Quality Management District operates and maintains two air quality monitoring stations within Source Receptor Area (SRA) 30. SR 30 includes the Indio and Palm Springs monitoring stations, which have been operational since 1985 and 1987, respectively. The Palms Springs Fire Station is located approximately 2.4+ miles north from the site, and the Indio Station is located approximately 19.3+ miles southeast from the project site.

The following tables (Tables 4 through 6) 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 2000 and 2014 in the Coachella Valley.

Table 4 shows that the federal 24-hour standard for PM_{10} was exceeded more frequently at the Indio station between 2000 and 2014. PM_{10} levels continue to exceed state standards.

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

Monitoring Station	Year	Maximum Concentration (µg/m^3/24hours) **	No. Days Exceeding 24-hr. Standards		Annual Average (µg/m^3)	
			Federal[1]	State[2]	AAM[3]	AGM[4]
Palm Springs	2000	44.0	0.0	N/A	24.2	N/A
	2001	432.0	N/A	N/A	31.1	N/A
	2002	75.0	0.0	N/A	27.2	N/A
	2003	108.0	0.0	23.0	27.1	26.4
	2004	79.0	0.0	N/A	26.4	N/A
	2005	66.0	0.0	13.0	25.9	25.4
	2006	226.0	6.6	19.6	28.3	27.7
	2007	83.0	0.0	N/A	30.0	N/A
	2008	75.0	0.0	N/A	17.7	N/A
	2009	140.0	0.0	N/A	20.4	N/A
	2010	144.8	0.0	0.0	19.4	18.3
	2011	396.9	2.0	0.0	21.7	18.1
	2012	143.4	0.0	0.0	19.9	16.1
	2013	185.8	1.0	13.1	23.1	22.1
	2014	313.8	1.1	*	25.4	*
Indio	2000	201.0	8.6	183.2	55.2	55.4
	2001	604.0	17.6	170.6	59.5	58.9
	2002	276.0	9.0	174.0	53.8	53.9
	2003	309.0	9.1	158.2	56.7	56.1
	2004	161.0	2.9	74.0	40.2	40.6
	2005	106.0	0.0	121.7	44.9	45.4
	2006	97.0	N/A	N/A	39.8	N/A
	2007	210.0	5.7	212.3	55.6	56.0
	2008	128.0	N/A	76.3	40.0	39.8
	2009	132.0	N/A	24.0	32.7	31.8
	2010	107.0	0.0	23.9	28.8	29.7

Table 4 Continued

Monitoring Station	Year	Maximum Concentration (µg/m^3/24hours) **	No. Days Exceeding 24-hr. Standards		Annual Average (µg/m^3)	
			Federal[1]	State[2]	AAM[3]	AGM[4]
	2011	375.9	2.0	18.6	32.6	35.4
	2012	270.6	N/A	43.2	33.6	33.4
	2013	255.2	3.0	85.2	37.5	38.6
	2014	322.3	6.1	94.9	43.5	44.8

Source: Annual air quality site monitoring reports per ARB. http://www.arb.ca.gov/adam/ Accessed June 18, 2015.
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/m^3
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 federal 24 hour $PM_{2.5}$ standard has not been exceeded since 2002. The AAM state standard of >12 µg/m^3 has not been exceeded since 2002 at the Indio monitoring site and there have been no exceedances at the Palm Springs site since before 2000.

Table 5
$PM_{2.5}$ Monitoring Data for the Coachella Valley

Monitoring Station	Year	Max Concentration (µg/m^3/24hours)	No. Days Exceeding 24-hr. Standards Federal[a]	Annual Average (µg/m^3) AAM[b, c]
Palm Springs	2000	28.5	0.0	9.5
	2001	44.7	3.1	10.7
	2002	42.3	3.1	10.0
	2003*	21.2	N/A	N/A
	2004	27.1	0.0	8.9
	2005*	25.0	N/A	N/A
	2006*	24.7	N/A	N/A
	2007*	32.5	0.0	8.5
	2008	18.1	0.0	7.1
	2009	21.8	0.0	6.6
	2010	12.8	0.0	5.9
	2011	26.3	0.0	6.0
	2012	15.5	0.0	6.5
	2013	18.5	0.0	6.5
	2014	15.5	**	**
Indio	2000	28.6	0.0	11.2
	2001	33.5	0.0	12.1
	2002	26.8	0.0	11.9
	2003	26.8	0.0	11.4
	2004	28.5	0.0	10.6
	2005*	44.3	N/A	N/A

Table 5 Continued				
Monitoring Station	**Year**	**Max Concentration (µg/m³/24hours)**	**No. Days Exceeding 24-hr. Standards Federal[a]**	**Annual Average (µg/m³) AAM [b, c]**
	2006*	24.2	0.0	9.4
	2007*	26.7	N/A	N/A
	2008	21.5	0.0	8.4
	2009	27.5	0.0	7.8
	2010	16.0	0.0	6.8
	2011	35.4	0.0	7.2
	2012	18.4	0.0	7.6
	2013	25.8	0.0	8.3
	2014	16.8	**	**

Source: Annual air quality site monitoring reports, prepared by ARB. http://www.arb.ca.gov/adam/ Accessed June 18, 2015.
a = > 35 µg/m³ in 24 hour period, Federal standard as of December 17, 2006.
b Federal Annual Average Standard = AAM > 15µg/m³
c State Annual Average Standard = AAM > 12µg/m³ as of July 5, 2003.
* Less than 12 full months of data; may not be representative.
** There was insufficient (or no) data available to determine the value.

Table 6 shows that the Palm Springs monitoring station exceeds the 1 hour and 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 6
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	2000	0.124	0.104	61	40	89
	2001	0.137	0.113	76	53	99
	2002	0.136	0.124	82	49	101
	2003	0.141	0.110	71	54	90
	2004	0.125	0.106	53	36	88
	2005	0.139	0.116	61	41	78
	2006	0.126	0.109	61	37	79
	2007	0.126	0.102	58	29	83
	2008	0.112	0.101	51	26	70
	2009	0.120	0.098	54	28	74
	2010	0.114	0.099	52	20	78
	2011	0.124	0.099	49	21	69
	2012	0.126	0.101	51	17	79
	2013	0.113	0.104	46	10	82
	2014	0.108	0.093	35	9	61

Table 6 Continued						
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
Indio	2000	0.112	0.096	18	7	23
	2001	0.114	0.098	38	21	65
	2002	0.114	0.110	45	24	65
	2003	0.123	0.104	40	24	60
	2004	0.111	0.099	50	23	68
	2005	0.114	0.095	34	18	58
	2006	0.103	0.090	28	5	42
	2007	0.106	0.095	30	8	48
	2008	0.115	0.092	27	12	44
	2009	0.097	0.090	24	6	41
	2010	0.100	0.087	19	6	45
	2011	0.099	0.090	19	3	42
	2012	0.102	0.089	24	2	45
	2013	0.105	0.087	18	2	38
	2014	0.095	0.091	10	2	30

Source: ARB Annual Air Quality Data Tables. http://www.arb.ca.gov/adam/ Accessed June 18, 2015.
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 (PM10) and ozone (O_3), and is in attainment/unclassified for PM2.5. 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 7
Salton Sea Air Basin Designation Status

Criteria Pollutants	Federal Designation	State Designation
Ozone - 8 hour standard	Nonattainment	Nonattainment
Ozone - 1hour standard	n/a	Nonattainment
Carbon Monoxide	Attainment	Attainment
Nitrogen Dioxide	Attainment	Attainment
Sulfur Dioxide	Attainment/Unclassified	Attainment
PM_{10}	Nonattainment	Nonattainment
$PM_{2.5}$	Attainment/Unclassified	Attainment/Unclassified
Lead	Attainment	Attainment
Sulfates	No standard	Attainment
Hydrogen Sulfide	No standard	Unclassified
Vinyl Chloride	No standard	Not sufficient data

Source: CARB Air Quality Planning Branch, June 2013. This information has been cross-checked with the U.S. EPA Green Book, last updated January 30, 2015.

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}, and $PM_{2.5}$). 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 has 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. As of October 1, 2015 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.

$PM_{2.5}$ Emissions

Federal and state standards have been developed to regulate fine particulate matter smaller than 2.5 microns in diameter. To achieve federal attainment, a jurisdiction must provide the Environmental Protection Agency (EPA) with air quality monitoring data that does not violate the fine particle standards over a three-year period. The Coachella Valley is defined as attainment/unclassified for $PM_{2.5}$, based on the state and federal $PM_{2.5}$ standards and does not require Implementation Plans to demonstrate attainment.

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.[5]

[4] "EPA Green Book Designated Non-attainment Areas for All Criteria Pollutants," as of 10/1/15. Accessed 1/4/15.

[5] "Final 2012 Air Quality Management Plan," prepared by South Coast Air Quality Management District, December 2012.

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.

Toxic Air Contaminants

Toxic Air Contaminants (TAC) cause or contribute to an increase in deaths or serious illness or pose a present or potential hazard to human health. The CARB's Toxic Air Contaminants Program establishes the process for the identification and control of substances such as asbestos, benzene, beryllium, inorganic arsenic, mercury, vinyl chloride, and other contaminants not addressed by the ambient air pollution program. TACs are required to be inventoried on a statewide level. There are a number of processes and facilities within the state that generate TACs, including electroplating and anodizing operations, gasoline distribution facilities, petroleum refineries, and others. The primary health concern associated with TACs is from mobile sources of particulate matter, which are known for their carcinogenic potential. Approximately 84 percent of the carcinogenic risk is attributed to diesel particulate emissions within the South Coast Air Basin.

Naturally Occurring Asbestos (NOA)

Asbestiform minerals occur naturally in rock and soil as the result of natural geologic processes, often in veins near earthquake faults in the coastal ranges and the foothills of the Sierra Nevada Mountains. There is no health threat if asbestos fibers in soil remain undisturbed and do not become airborne. When inhaled, asbestos, a known carcinogen, causes cancers of the lung and the lining of internal organs, as well as asbestosis and other diseases that inhibit lung function. According to the California Department of Conservation Division of Mines and Geology[6], Riverside County does not contain abundant amounts of naturally occurring asbestos.

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 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.[7] The quantity of greenhouse gases in the atmosphere has increased significantly over a relatively short

[6] "A General Location Guide for Ultramafic Rocks in California – Areas More Likely to Contain Naturally Occurring Asbestos," prepared by CA Dept. of Conservation, August 2000.

[7] U.S. Environmental Protection Agency, State of Knowledge.

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.[8]

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.[9]

In 2004 the State of California generated 492 million metric tons of carbon dioxide equivalent (CO_2E). In 2013 the State of California generated 459.3 million metric tons of CO_2E, representing an overall decrease of 7% since 2004[10]. During the 2000 to 2013 period, per capita GHG emissions in California have continued to drop from a peak in 2001 of 14.0 tonnes per person to 12.0 tonnes per person in 2013; representing a 14% decrease. GHG emission reductions are attributed to energy conservation measures such as use of more fuel-efficient vehicles, energy efficient appliances and building materials that are prescribed under Title 24 of the California Building Code.

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 air pollution 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.

The California Global Warming Solutions Act (AB 32) 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, which sets forth GHG reduction methods. CARB has reported that 1990 GHG emissions totaled 427 million metric tons (MMT) for the state of 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. 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 ensuring the state will continue its efforts to reduce carbon pollution.

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8 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

9 "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.

10 "2015 California GHG Emission Inventory," California Air and Resources Board, June 16, 2015.

California 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. The bill encourages regional land use planning to reduce vehicle miles traveled and requires jurisdictions to adopt a sustainable communities strategy.

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.

SECTION III. PROPOSED PROJECT IMPACTS

Development of the COD West Valley Campus will result in the direct and indirect generation and emission of air pollutants during building demolition, new construction and campus operation. Criteria air pollutant and greenhouse gas emissions from demolition and construction will be temporary; however, emissions from daily operation will be ongoing. The following discussion describes the major sources of air pollutants associated with the development of the WVC Master Plan and Phase I Project, and emission projections for criteria pollutants and greenhouse gases.

A. Construction Related Air Quality Emissions

To estimate the potential emissions of criteria pollutants associated with the COD WVC, the California Emissions Estimator Model (CalEEMod) Version 2013.2.2 was used. The table below provides the land use assumptions for Phased Development and Campus Buildout based on the WVC Master Plan and adjusted to facilitate air quality modeling. For air quality analysis purposes, it is assumed that buildout will extend over an 8-year period from 2017 to 2024. It should be noted that buildout would likely occur more gradually in phases over a 15 to 20 year period. Reducing the development period to 8-years assumes an uninterrupted construction period, which offsets the potential dilution of emissions that would occur if buildout was modeled for the full anticipated 15 to 20 year campus buildout.

The Phased Development approach to air quality impact analysis provides a more realistic projection of daily air emissions based on the Campus Master Plan development schedule. Because Phases II-V do not have specific building development plans, it was assumed that the library would be developed in Phase III, the Conference Center in Phase IV, and campus retail in Phase V. The Phased Development approach assumes a two-year construction period for each Phase.

Table 8
COD West Valley Campus Air Quality Modeling Land Use Assumptions

Development	Construction Phase	Acreage	College Use (SF)	Ancillary Uses (SF)[2]	Parking Spaces
Phase I[1]	2017-2018	11.59	50,000		160
Phase II	2019-2020	4.31	50,000		240
Phase III	2021-2023	6.09	50,000	30,000	250
Phase IV	2024-2026	7.03	90,000		440
Phase V	2027-2029	4.54	60,000		240
Campus Buildout[2]	2017-2024	29.11	300,000	30,000	1,330

Source: Based on the Master Plan Land Use Table. Refined for AQ Modeling Purposes.
1) Phase 1 acreage includes demolition of the existing mall and landscaping treatment of the mall footprint.
2) For analysis purposes and to remain consistent with the Traffic Report, it is assumed that the conference center and campus retail are considered "College Uses" and the library is an "Ancillary Use."

Construction Emissions

Air pollutants are generated from such construction activities as demolition, site grading and other ground disturbance, operation of construction equipment, stationary power, building construction and related off-site travel, and off gassing from paving and architectural coatings. Construction related air quality and greenhouse gas emissions are temporary and end once construction is complete.

As previously mentioned, CalEEMod was used to calculate the potential emission of criteria pollutants and greenhouse gas emissions associated with development and operation of the COD WVC Phase I Project and campus buildout. CalEEMod produces emission data for both unmitigated and mitigated conditions. The application of standard dust control measures, use of vehicle oxidation catalysis (20% reduction equivalent), and use of reduced VOC level coatings are captured in the mitigated condition.

Demolition Assumptions

Demolition of the Palm Springs Mall will occur during Phase I and will require off-site material hauling. Demolition material hauling assumptions are based on material type, average haul capacity, and square footage of the Palm Springs Mall. Based on these parameters, it is projected that demolition of the mall would require 650 haul loads for construction debris (12 tonnes each load), and 885 haul loads for concrete (15 tonnes each)[11]. CalEEMod construction haul trips were also adjusted to reflect these data. Haul trips assume material would be transported to the Edom Hill Landfill and Transfer Station in Cathedral City and Granite Construction's Indio Quarry and recycling center in Indio. The remaining Phases of campus development will be limited to grinding and scraping of existing pavement; therefore no additional demolition was modeling.

The existing structural condition of the mall is currently unknown. However, considering the era in which it was constructed, it is reasonable to assume asbestos containing materials (ACM) and lead paint may be present. Demolition could result in the release of toxic airborne substances, and will require safe removal, transport, and disposal of construction debris in accordance with industry standard protocols.

Grading Assumptions

Preliminary grading indicates that the project site will require 30,000 cubic yards of material fill. Phase I emissions include import of the total 30,000 cubic yards, however this material will be divided across all Phases. Because phase-specific development plans are currently programmatic, it was assumed that Phases II-V would import 10,000 cubic yards of fill each. This will overstate overall construction emissions and provide a conservative emission estimate for analysis.

The following table provides construction-related air quality impacts for phased development and project buildout. It should be noted that phased emissions are similar because it was assumed that total buildout square footage was comparably allocated across all phases, ranging from 50,000 square feet to 90,000 square feet. Although Phase I emissions include demolition and the majority of grading, construction of buildings, paving, and architectural coating activities

[11] Chris Block, Estimator for Demo Unlimited Inc. 760-775-5884. cbloch@demounlimited.com. Personal Communication 6/15/15.

typically generate higher emissions (overall) than demolition and grading activities. Therefore, maximum daily emissions during construction are strongly correlated to building square footage and paving area.

Table 9
Construction Emissions Summary
Maximum Daily Emissions

(lbs./day)

		CO	NO_x	ROG	SO_x	PM_{10}*	$PM_{2.5}$*
Phase I	2017	47.05	65.92	6.64	0.07	8.07	4.34
	2018	42.05	48.84	66.93	0.06	3.54	2.80
Phase II	2019	63.09	69.30	6.58	0.13	7.45	4.51
	2020	4.62	2.36	37.18	0.01	1.57	0.48
Phase III	2021	46.52	47.33	4.80	0.09	5.49	3.48
	2022	39.01	32.11	38.87	0.06	2.42	1.75
Phase IV	2024	42.20	34.41	3.86	0.08	4.78	2.89
	2025	40.72	25.62	44.58	0.07	2.71	1.40
Phase V	2027	55.72	37.87	4.42	0.14	6.29	3.35
	2028	24.06	16.22	44.04	0.03	1.63	0.79
Buildout**	2017-2024	83.00	67.96	72.47	0.12	11.08	4.53
SCAQMD Threshold* **		**550.00**	**100.00**	**75.00**	**150.00**	**150.00**	**55.00**
Exceeds Threshold		**No**	**No**	**No**	**No**	**No**	**No**

Source: CalEEMod Version 2013.2.2. See Appendix A for detailed tables. Value shown represents the average emissions from summer and winter.
*Emissions show "mitigated" conditions, meaning application of standard dust control measures and best management practices. "Mitigated" does not mean that thresholds were exceeded and required mitigation measures.
**Emissions shown for Buildout represent the highest emitting year of that particular pollutant; CO = 2017, NOx = 2017, ROG = 2023, SOx = 2017, PM10 = 2023, and PM2.5 = 2017.
*** Source: "SCAQMD Air Quality Significance Thresholds" prepared by South Coast Air Quality Management District, March 2015. Construction thresholds apply to both the South Coast Air Basin and Coachella Valley (Salton Sea and Mojave Desert Air Basins).

As shown in the table above, SCAQMD daily thresholds for criteria pollutant will not be exceeded during construction of any phase of the Campus Master Plan development. Construction-related emissions are temporary and will end once construction is complete. Temporary construction emissions will be minimized through best development practices, adherence to a project-specific dust control plan, proper maintenance of construction equipment, phased development, and other recommendations set forth below that limit the project's contribution to air quality impacts during construction. Therefore, impacts to air quality resulting from construction of the COD/WVC Master Plan and Phase I Project will be less than significant. Nonetheless, a list of development management practices is set forth in **Section V** that will further ensure that construction-related pollutant emissions will be less than significant.

Localized Construction-Related Significance Thresholds and Emissions

The purpose of analyzing Localized Significance Thresholds (LST) is to determine whether or not a project may generate significant adverse localized air quality impacts in relation to the nearest exposed individual, or sensitive receptor. Air quality sensitive receptors include, but are not limited to, schools, churches, residences, hospitals, day care facilities, and elderly care facilities. Sensitive receptors in the project area include single- and multi-family residences, public parks, and the Palm Springs High School.

Use of LSTs by a local government is voluntary and are designed for projects that are less than or equal to 5-acres. The proposed project is approximately 29-acres, however buildout will occur in five phases of lesser acreage. Although development Phases are greater than 5-acres, the area of daily disturbance will be limited to 5-acres per day. As such, the 5-acre look up table is expected to be sufficient to screen for potential localized air quality impacts.

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. Sensitive receptors will vary from phase to phase depending upon which portion of the campus is being developed. Based on the land use assumptions provided above, the following table provides a phase-by-phase breakdown of nearest sensitive receptors, distance from sensitive receptor to emission source, and maximum daily acreage disturbed.

Table 10
Localized Significance Thresholds Assumptions

Phase	Sensitive Receptor[1]	Distance from Site[2]	Max. Daily Acreage Disturbed
Phase I	Single-family residences, immediately west of project site.	25 Meters	5 Acres
Phase II	Assumes proximity to the Palm Springs High School	25 Meters	5 Acres
Phase III	Assumes Library development, therefore single-family residences, immediately west of project site.	25 Meters	5 Acres
Phase IV	Assumes Conference Center development, in proximity to Phase I operation of College	25 Meters	5 Acres
Phase V	Assumes Campus Retail development, assumes Jul Residential east of site and previous College Phases in operation.	25 Meters	5 acres

[1.] Sensitive receptors may vary depending on campus development phase.
[2.] The Mass Rate Look-Up Table provides five distance options: 25, 50, 100, 200, and 500 meters. Actual distance from source receptor to the source may vary.

Table 11
Localized Significance Thresholds
25 Meters, 5 Acres

(lbs per day)

Phase	CO	NO_x	PM_{10}	$PM_{2.5}$
Phase I	47.05	65.92	8.07	4.34
Phase II	63.09	69.30	7.45	4.51
Phase III	46.52	47.33	5.49	3.48
Phase IV	42.20	34.41	4.78	2.89
Phase V	55.72	37.87	6.29	3.35
LST	**2,292**	**304**	**14**	**8**
Exceed?	**No**	**No**	**No**	**No**

Source: CalEEMod Version 2013.2.2. See Appendix A. Emissions show the highest emitting day for all emissions generated onsite during construction.

Results show that LST thresholds are not expected to be exceeded during any phase of campus development. The project will be developed in accordance to SCAQMD Rule 403, and apply best management practices to ensure impacts to sensitive receptors are less than significant.

Potential Odors

The proposed project is not expected to generate significant objectionable odors during any of the phases of construction or at project buildout. The proposed project has the potential to result in short-term odors associated with asphalt paving and other construction activities. However, construction-related odors would be quickly dispersed below detectable thresholds as distance from the construction site increases. Therefore, impacts from objectionable odors are expected to be less than significant.

B. Operational Emissions

Air pollutant emissions from on-going campus operation are largely the consequence of three emission source categories: Energy, Mobile, and Area sources. Energy sources refer to direct and indirect use of fossil fuels for energy use, including natural gas and electricity usage in buildings, lighting for parking structures, ventilation, and operation of elevators. Mobile sources refer to emissions associated with motor vehicle trips generated by the campus. Area sources refer to consumable products such as landscaping, building maintenance and cleaning supplies, kitchen and restroom supplies, and periodic reapplication of architectural coatings.

Moving Source Emissions

Trip rates generated by operation of the West Valley Campus were derived from the project Traffic Report[12]. Trip generation data in the Traffic Report is based on the ITE Trip Generation Manual (9th Edition, 2010). The academic buildings, Conference Center, and campus retail were modeled as COD use, and the library was modeled as library use. Based on the Traffic Report, the Phase I Project would generate 970 daily two-way trips[13], and campus buildout would

[12] "Traffic Impact Study-College of the Desert West Valley Campus Master Plan and Phase I Project", prepared by Endo Engineering. July 15, 2015.

[13] The term "two-way trip" consists of the outgoing and return trip.

generate 11,520 daily two-way trips (9,880 for COD, 1,640 for the Library). These assumptions were applied to CalEEMod's operational trip rates for the Phase I Project and campus buildout.

As described above, the campus will build out over several phases. The following discussion sets forth the daily criteria pollutants that could be generated by the project and total annual GHG emissions for operation of each phase of campus development. It should be understood that operational emission levels for each phase are cumulative and that each previous phase will be operational during implementation of the current phase.

The table below summarizes the potential emission of criteria pollutants from day-to-day operations at the West Valley Campus per phase and at buildout. These emissions include the three operational emissions sources discussed above; energy, mobile, and area sources. A breakdown of the operational source emissions for project buildout is provided to show how emissions are distributed across the three sources. Again, daily phased emissions set forth below aggregate emissions from previously implemented phases and hence are cumulative.

Table 12
Operation Emissions of Criteria Pollutants
(Lbs per Day)

		CO	NO_x	ROG	SO_x	PM_{10}	$PM_{2.5}$
Phase I	2018	33.55	7.37	7.32	0.05	3.49	1.01
Phase II	2021	75.74	15.74	14.91	0.12	8.42	2.43
Phase III	2024	161.43	31.41	27.52	0.29	19.54	5.63
Phase IV	2027	225.73	42.69	40.02	0.42	28.40	8.17
Phase V	2030	268.59	50.09	47.89	0.51	34.30	9.86
Master Plan Buildout		312.52	56.33	56.81	0.61	40.77	11.72
SCAQMD Threshold		**550.00**	**100.00**	**75.00**	**150.00**	**150.00**	**55.00**
Significant		**No**	**No**	**No**	**No**	**No**	**No**

Source: CalEEMod Version 2013.2.2. See Appendix A for detailed tables. Value shown represents average daily unmitigated emission across summer and winter activities.

Table 13
Operational Source Emissions Breakdown
Master Plan Buildout
(Lbs per Day)

	CO	NO_x	ROG	SO_x	PM_{10}	$PM_{2.5}$
Area	0.96	0.01	26.77	0.00	0.01	0.00
Energy	1.21	1.44	0.16	0.00	0.10	0.11
Mobile	310.35	54.89	29.88	0.60	40.66	11.61
TOTAL	**312.52**	**56.33**	**56.81**	**0.60**	**40.77**	**11.72**

Source: CalEEMod Version 2013.2.2. See Appendix A for detailed tables. Value shown represents average daily unmitigated emission across summer and winter activities.

As shown in the table above, SCAQMD thresholds will not be exceeded during any particular Phase or upon buildout of the West Valley Campus. It should be noted that the operational emissions presented do not show added efficiencies from design techniques, use of an energy mix with a portion of non-emitting sources, or water efficient landscaping; therefore, the conservative calculation of operational emissions analysis yields emissions that are likely higher than are expected to actually occur. In addition, the vehicle fleet mix will likely shift in future years to include more electric vehicles and alternative fuel vehicles, which could further reduce emissions associated with mobile sources. Therefore, operational impacts from the West Valley Campus, and Phase I Project and subsequent Phased development, are expected to be less than significant.

Objectionable Odors

Operation of the West Valley Campus and the Phase I Project have limited potential to generate objectionable odors. While food preparation will be part of student services and the culinary arts program, standard industrial hoods and emission control devices will be installed in accordance to applicable California Department of Health and Safety Codes as a part of these facilities. Distance and dispersion will further reduce any potential odor impacts to levels that are less than significant. Odors related to food prep will be comparable to that of the Palm Springs Mall food court (when in operation) and the existing Jack in the Box restaurant to remain on site. Therefore, impacts related to objectionable odors will be less than significant.

C. Greenhouse Gas Emissions

Construction Related Greenhouse Gas Emissions

Construction activities will also result in short-term GHG emissions. The following table summarizes the estimated GHG emissions from construction using both the Phased Development and Buildout air quality analysis approach. There are currently no construction-related GHG emission thresholds for projects of this nature. However, development of the West Valley Campus will adhere to current California Building Codes and incorporate sustainable technologies and various forms of resource conservation to minimize GHG emissions.

As shown in the table below, GHG emissions are significantly lower when modeled under the Phased Development approach, which is also the current Campus Master Plan development schedule. GHG emissions from construction are temporary and will not substantially affect air quality or interfere with a GHG reduction plan. All components of construction, including equipment, fuels, materials, and management practices, will be subject to current regulations of GHGs. To determine if construction emissions will result in a cumulative considerable impact, buildout GHG emissions were amortized over a 30-year period and added to annual operational emissions. (See the Operational GHG Emissions Summary below.)

Table 14
Construction GHG Emissions Summary

(Metric Tons/Year)

	CO_2	CH_4	N_2O	Total CO_2e
Phase I	1,016.39	0.21	0.00	1,020.99
Phase II	748.27	0.16	0.00	751.68
Phase III	982.86	0.21	0.00	987.30
Phase IV	1,063.73	0.21	0.00	1,068.26
Phase V	794.84	0.16	0.00	798.37
Total Phased CO_2e				4,626.60
Buildout	8,756.24	1.25	0.00	8,782.56

Source: CalEEMod Versions 2013.2.2. See Appendix A for detailed tables. Values shown represent the total unmitigated GHG emission projections for construction of the proposed project.

Operational Greenhouse Gas Emissions

The following table shows the projected operations-related emission of GHGs per phase and at buildout of the West Valley Campus project. Again, Phased Development emissions are cumulative. There are five emission source categories that contribute either directly or indirectly to operational GHG emissions, including energy/electricity usage, water usage, solid waste disposal, area emissions, and mobile sources. A breakdown of the operational GHG source emissions for project buildout is provided to show how emissions are distributed across the five sources.

Table 15
Operational GHG Emissions Summary

(Metric Tons/Year)

	CO_2	CH_4	N_2O	CO_2e
Phase I	771.44	0.89	0.00	791.42
Phase II	1,720.49	1.78	0.00	1,760.60
Phase III	3,844.67	3.08	0.00	3,914.25
Phase IV	5,478.91	4.68	0.00	5,584.62
Phase V	6,563.03	5.75	0.00	6,692.80
Buildout	7,629.56	18.80	0.03	8,033.75
Buildout plus Amortized Construction Emissions[1]				8,326.50

Source: CalEEMod Version 2013.2.2. See Appendix A for detailed tables. Values shown represent the total unmitigated GHG emission projections for operation of the proposed project.
1. Buildout construction GHG emissions were amortized over 30-years then added to buildout operational GHG emissions. 8,782.56/30 =292.75

Table 16
Operational GHG Source Emissions Breakdown
Master Plan Buildout

(Metric Tons/Year)

	CO_2	CH_4	N_2O	CO_2e
Area	0.17	0.00	0.00	0.17
Energy	1,275.87	0.05	0.01	1,281.48
Mobile	5,886.39	0.22	0.00	5,890.98
Waste	303.45	17.93	0.00	680.07
Water	163.67	0.60	0.02	181.04
Total	7,629.56	18.80	0.03	8,033.75

Source: CalEEMod Version 2013.2.2. See Appendix A for detailed tables. Values shown represent the total unmitigated GHG emission projections for operation of the proposed project.

Mobile sources generate the greatest GHGs emissions at project buildout. GHG emission reductions from mobile sources will be accomplished through increased fuel efficiency standards, increased access to electric vehicles and supporting sources of renewable power, and improvements to fossil fuel-based thermal technology for space and water heating and for process heat. As shown in the table above, operational emissions from the Phased Development approach are lower than the Campus Buildout approach. This is largely due to efficiencies gained through implementation of fuel standards and combustion technology realized in later years (2030) as opposed to 2025 under the buildout approach.

The SCAQMD currently has adopted one GHG threshold of 10,000 metric tons a year of $CO2_e$ for operation of industrial facilities. However, there are currently no thresholds formally adopted by the SCAQMD for GHG emissions for other land uses comparable to those proposed as part of the Project. It should be noted that the Project's total calculated operational and amortized construction GHG emissions at Buildout (8,326.50 Metric tons per year), would be substantially below the 10,000 annual metric ton threshold adopted for industrial projects.

Therefore, and to provide the fullest possible public disclosure, GHG impacts of the West Valley Campus were assessed using State and Local Greenhouse Gas reduction targets, which are based on 1990-level GHG emissions. CalEEMod was used to generate operational emissions for the Palm Springs Mall under 1990 conditions, which assumes the mall was fully occupied and operational. According to the table below, it is projected that operation of the Palm Springs Mall generated approximately 14,081.13 metric tonnes of CO_2e during 1990. It should be noted the 1990 mall emissions were generated using current electricity CO_2 intensity factors, which are directly related to the current utility energy source mix; this understates 1990 mall-related power plant GHG emissions. Therefore, projected electricity emissions from the mall in 1990 are conservative.

Table 17
Operational Emissions Summary for the
Palm Springs Mall 1990

	Maximum Daily Emissions (lbs/day)						MT/Year
	CO	NO_x	ROG	SO_x	PM_{10}	$PM_{2.5}$	CO_2e
PS Mall 1990	4,563.49	740.77	573.10	81.24	90.55	56.37	14,081.13
Source: CalEEMod Version 2013.2.2. See Appendix A for detailed tables. Value shown represents the average emissions from summer and winter.							

Local Greenhouse Gas Reduction Targets/Threshold of Significance
In 2013 the City of Palm Springs adopted its "2013 Climate Action Plan: Leadership in Energy Efficiency" as part of the Coachella Valley Association of Governments (CVAG) Green for Life program. The goal of the Climate Action Plan (CAP) is to reduce GHG emissions within City operations and throughout the community. The CAP GHG inventory was prepared using the Clean Air and Climate Protection (CACP) Software, which is the industry standard for climate action planning developed by Local Governments for Sustainability (also known as ICLEI, International Council for Local Environmental Initiatives.) Various utility and service companies provided City-specific data for the years 1990, 2005, and 2010, which were used to populate the CACP software. This data includes electricity usage, natural gas usage, waste treatment, solid waste disposal, public transit data, and estimated citywide vehicle miles traveled. Based on the CACP software projections, the City of Palm Springs will have to cut GHG emissions (citywide) by one percent (1.0%), or 4,263 tonnes to achieve the AB 32 target of 1990 emission levels by 2020. The proposed West Valley Campus project is the reuse of an existing mall facility that was operational in 1990; the site is located entirely within the City of Palm Springs; and, therefore, the emissions of the mall were necessarily considered as part of the 2013 CAP and the 1% GHG reduction target. Therefore, the COD has determined that the 1% GHG reduction target imposed in the CAP is an appropriate threshold of significance for purposes of the evaluating the proposed Project's impacts for purposes of CEQA.

At buildout, the COD WVC is expected to generate approximately 8,326.50 metric tonnes of CO_2e per year. This represents a 5,754.63 metric tonne reduction of CO_2e upon buildout of the campus and in comparison to the mall's GHG emissions in 1990. This reduction exceeds the City's targeted reduction of 4,263 tonnes of CO_2e.

In addition, operation of the West Valley Campus will incorporate sustainable technologies and a variety of resource conservation strategies that are consistent with the City's CAP to further reduce energy use and GHG emissions. As a few limited examples, the West Valley Campus will include design-based sustainability in landscape and building design, improved pedestrian and bike path networks for alternative modes of transportation, and on-site energy generation from solar photovoltaic and thermal systems. Due to the project's net CO2e reduction from 1990 levels and adherence to the City of Palm Springs approved CAP, impacts related to GHG emissions are considered less than significant.

State Greenhouse Gas Reduction Targets

Even though the GHG impacts of the West Valley Campus are less than significant under the threshold of significance identified above, potential GHG emissions were also assessed using Statewide GHG reduction targets solely for informational disclosure purposes. These Statewide targets include the following:

- AB 32 reduction goal of 1990 GHG levels by 2020,
- Executive Order B-30-15 (B-30-15) reduction goal of 40 percent below 1990 levels by 2030,
- Executive Order S-3-05 reduction target of 80 percent below 1990 levels by 2050.

According to B-30-15, the "reduction target to reduce greenhouse gas emissions to 40 percent below 1990 levels by 2030 (B-30-15) [was] established in order to ensure California meets its target of reducing greenhouse gas emissions to 80 percent below 1990 levels by 2050 (S-3-05)."[14] Buildout of the COD WVC Master Plan is expected to occur around 2030; therefore, project-related GHG emissions were assessed using B-30-15, which is set forth to ensure California meets the S-3-05 targets. In the event campus buildout occurs later than 2030 the reduction in GHGs associated with campus development as a percentage of the mall's 1990 emissions will be even greater than the 2030 buildout scenario.

Table 18
Operational GHG Reduction Targets
(Metric Tons/Year)

	$CO2_e$	Compliance/Reduction Summary
PS Mall 1990 Levels	14,081.13	1990 on-site GHG emissions
20% Below 1990 by 2020	11,264.90	Per AB 32
40% Below 1990 by 2030	8,448.68	Per EO B-30-15
Phase I Project	825.45	94.14% lower than 1990 Levels AB 32: In Compliance, 10,439 MT lower EO B-30-15: In Compliance, 7,623 MT lower
Project Master Plan Buildout	8,326.50	40.87% lower than 1990 Levels AB 32: In Compliance, 2,938 MT Lower EO B-30-15: In Compliance, 122 MT lower

As shown in the table above, GHG emissions from operation of the Phase I Project are expected to be 94 percent lower than operation of the Palm Springs Mall in 1990, and the Project Master Plan Buildout is expected to be 41 percent lower than operation of the Palm Springs Mall in 1990. This is primarily due to mobile source GHG emissions reduction standards that were enacted after 1990, including Pavley (Clean Car Standards, AB 1493) and low carbon fuel standards. Both the Phase I Project and Project Master Plan Buildout are in compliance with the GHG emission reduction targets set forth by AB 32 and EO B-30-15. Again, projected reductions were derived using SCE's current day CO_2e intensity factors provided by CalEEMod, which account for added efficiencies in the energy mix that were not realized in 1990.

[14] Executive Order B-30-15, State of California. April 29, 2015.

D. Cumulative Impacts

Cumulative air quality impacts were 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 PM10, ozone, or ozone precursors will unavoidably contribute, at some level, to regional non-attainment designation of ozone and PM10. However, the level of impact a single project may have on regional air quality is difficult to measure. The Coachella Valley enforces the SCAQMD 2012 Air Quality Management Plan and 2002 PM10 Coachella Valley State Implementation Plan (CVSIP) to ensure levels of criteria pollutants are regulated and minimized to the best of the region's ability, particularly through the enforcement of SCAQMD daily thresholds. It should also be noted that operations-related emissions associated with the proposed use would be partially offset by the replacement of existing development and associated emissions and emissions potential.

Buildout projections in the 2007 Palm Springs General Plan currently substantially exceed the SCAQMD thresholds by orders of magnitude because the Plan incorporates the development of multitudes of individual projects[15]. 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.

Construction and operational activities associated with development of the subject WVC Project will not exceed SCAQMD daily thresholds for criteria pollutants. In addition, air quality impacts associated with the WVC will be offset by the removal of existing operational emissions of the Palm Springs Mall. Emission of CO, NOx, ROG, and PM_{10} during construction and operation of the project are unavoidable and will marginally contribute to regional ozone and PM_{10} non-attainment designations. The following discussions address cumulative impacts related to ozone and PM_{10}.

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-regional scale as opposed to single projects. The SCAQMD 2012 AQMP provides current and future measures to reduce both stationary and mobile source ozone emissions. Proposed measures to reduce ozone include emission reductions from coatings and solvents, RECLAIM facilities, early transitions to cleaner mobile technologies, and incentives to adopt net zero and near zero technologies[16].

[15] City of Palm Springs General Plan Update Draft EIR, prepared by The Planning Center, March 2007.

[16] Final 2012 Air Quality Management Plan, South Coast Air Quality Management District, February 2013.

CalEEMod does not generate ozone emissions directly and therefore emissions of ozone precursors (CO, NOx, and ROG) were evaluated to determine 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 local construction or operational thresholds for ozone precursors. The campus Master Plan sets forth sustainability guidelines that ensure available technologies are incorporated into the campus design using the integrated sustainability approach. This approach emphasizes intelligent and responsive site planning, and building and systems design, including the development of on-site electricity production through photovoltaic solar panels, along with emerging technologies that may be able to be part of the full campus build-out. Incorporation of the sustainability approach with reduces overall emissions of CO, NOx and ROG, thus reducing campus-related ozone emissions.

In addition, the project will adhere to applicable ozone reduction measures set forth by SCAQMD, including SCAQMD Rule 1113 that regulates ROG (VOC) levels in architectural coatings, which will further reduce on-going emissions of ozone precursors.

Development and operation of the West Valley Campus will adhere to ozone reduction measures set forth in the SCAQMD AQMP and sustainable design strategies provided in the project Master Plan. Therefore, the proposed project is considered less than significant in regards to cumulative air quality impacts related to ozone.

Regulation of PM_{10}

Similar to ozone, PM_{10} is regulated through the SCAQMD 2012 Air Quality Management Plan and 2002 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. As shown in the analysis above, the proposed project will not exceed local daily thresholds for PM_{10}. Therefore, cumulative impacts to PM_{10} are considered less than significant.

In conclusion, cumulative air quality impacts related to construction and operation of the COD West Valley Campus and Phase I Project are considered less than significant. Development and operation of the proposed project will not exceed air quality maximum daily thresholds for CO, NOx and PM_{10}, which are cumulative thresholds by their nature. In addition, the proposed project is consistent with regulation requirements of ozone and PM_{10} in the Salton Sea Air Basin. Therefore impacts related to ozone and PM_{10} emissions will be less than significant and will not result in a cumulatively considerable contribution to GHG emissions.

E. Conclusions

Development of the COD WVC is not anticipated to violate State or Federal air quality standards or substantially contribute to an existing air quality violation in the Salton Sea Air Basin. The proposed project does not conflict with or obstruct implementation of the SCAQMD air quality management plan. Nor does the project 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.

The proposed project will adhere to all regulatory requirements to assure that air quality 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 the proposed project. As such, the proposed COD WVC project would have a less than significant impact to air quality.

SECTION IV. PROJECT ALTERNATIVES

A. No Project Alternative

Under the No Project Alternative, the existing 330,000± square foot community retail mall would continue to occupy the site. Two occupancy scenarios have been analyzed, including fully occupied mall and one with 6% occupancy. Current mall use is limited to the private Kaplan College, which occupies approximately 20,000 square feet or about 6% of the mall. This alternative is limited to operational emissions and will not result in construction emissions. The following tables provide operational emissions for the No Project Alternative.

Table 19
Operational Emissions for the No Project Alternative
(Metric Tons/Year)

	CO	NO_x	ROG	SO_x	PM_{10}	$PM_{2.5}$
No Project Alternative – Full	677.11	146.18	82.87	0.69	46.37	13.70
No Project Alternative – 6%	15.45	3.50	2.12	0.02	1.40	0.41
SCAQMD Threshold	**550.00**	**100.00**	**75.00**	**150.00**	**150.00**	**55.00**
Exceeds Threshold	**Yes**	**Yes**	**Yes**	**No**	**No**	**No**

Source: CalEEMod Version 2013.2.2. See Appendix A for detailed tables. Value shown represents the average emissions from summer and winter.

Table 20
Operational Emissions of GHGs for the No Project Alternative
(Metric Tons/Year)

	CO_2	CH_4	N_2O	CO_2e
No Project Alternative – Full	9,339.52	5.16	0.03	9,458.39
No Project Alternative – 6%	318.22	0.35	0.00	326.24

Source: CalEEMod Version 2013.2.2. See Appendix A for detailed tables.

As shown in the above tables, the mall operating at full occupancy has the potential to exceed SCAQMD daily emission thresholds for CO, NOx, and ROG. Conversely, the mall at the current 6% occupancy has substantially lower operational emissions and does not exceed established thresholds. Thus, operation of the mall at full occupancy has the potential to result in significant and unavoidable impacts to air quality.

B. More Intense Alternative

Development of the More Intense Alternative will result in a 25% increase in building area as and addition of on-campus housing. For analysis purposes, similar development assumptions (i.e. demolition, grading cut and fill, site acreage) were used for both the Proposed and More Intense Alternatives. The table below shows that SCAQMD daily thresholds will not be exceeded for any criteria pollutant during construction of the More Intense Alternative.

Table 21
Construction Emissions for the More Intense Alternative

(Lbs/day)

	CO	NO_x	ROG	SO_x	PM_{10}	$PM_{2.5}$
More Intense Alternative	89.25	58.82	51.95	0.13	12.59	4.73
SCAQMD Threshold	**550.00**	**100.00**	**75.00**	**150.00**	**150.00**	**55.00**
Exceeds Threshold	**No**	**No**	**No**	**No**	**No**	**No**

Source: CalEEMod Version 2013.2.2. See Appendix A for detailed tables. Value shown represents the average unmitigated emissions from summer and winter. Note that buildout occurs over an 8 year period, therefore the highest emitting year for a particular pollutant is shown (worst case scenario).

Construction of the More Intense Project Alternative will also result in the emission of greenhouse gasses through the combustion of fossil fuels during operation of vehicles and the transportation of materials to and from the site. The following table shows the projected emissions of greenhouse gasses from construction of the More Intense Project Alternative.

Table 22
Construction GHG Emissions for the More Intense Alternative

(metric tonnes)

	CO_2	CH_4	N_2O	CO_2e
More Intense Alternative	9,705.79	1.32	0.00	9,733.67

Source: CalEEMod Version 2013.2.2. See Appendix A for detailed tables. Values shown project the annual GHG emissions from operation of the More Intense Alternative.

The table below summarizes the emission projections for criteria pollutants associated with operation at buildout of the More Intense Alternative. Under this alternative, air quality emissions will not exceed SCAQMD thresholds for any criteria pollutant during operation.

Table 23
Operational Emissions for the More Intense Alternative

(Lbs per day)

	CO	NO_x	ROG	SO_x	PM_{10}	$PM_{2.5}$
More Intense Alternative	400.03	71.84	67.78	0.77	52.12	15.05
SCAQMD Threshold	**550.00**	**100.00**	**75.00**	**150.00**	**150.00**	**55.00**
Exceeds Threshold	**No**	**No**	**No**	**No**	**No**	**No**

Source: CalEEMod Version 2013.2.2. See Appendix A for detailed tables. Value shown represents the average emissions from summer and winter.

Operation of the More Intense Project Alternative will also result in the emission of GHGs through the combustion of fossil fuels during operation of vehicles, the generation of electricity

at power plants, combustion of natural gas for space and process heat, and the transportation of water. The following Table shows the projected emissions of GHG at buildout of the More Intense Project Alternative. There are currently no state or federal GHG thresholds for operation of these particular land uses.

However, it should also be noted that the operation of the More Intense Alternative would constitute a 0.002% net contribution to annual state GHG emissions. This contribution to GHG emissions does not constitute a substantial health or environmental effect, nor would GHG emissions associated with this alternative interfere with an established GHG Reduction Plan. GHG emissions from operation of the More Intense Project Alternative would have a less than significant impact to air quality at operation.

Table 24
Operational GHG Emissions for the More Intense Alternative

(metric tonnes)

	CO_2	CH_4	N_2O	CO_2e
More Intense Alternative	9,833.81	23.74	0.04	10,345.08
Source: CalEEMod Version 2013.2.2. See Appendix A for detailed tables. Values shown project the annual GHG emissions from operation of the More Intense Alternative.				

C. North Palm Springs Site Development Alternative

The North Palm Springs Site Development Alternative would develop the Proposed Project at the 119± acre COD property located in the northern portion of the urbanized area of Palm Springs. The project would remove the Convention Center (40,000 SF) and add 30 dormitory units (20,000 SF), resulting in a net decrease of 20,000 square feet. For analysis purposes, it was assumed that only 29.11 acres would be developed to remain consistent with the Proposed Project.

The table below shows the emissions estimated from construction of the North Palm Springs Site Development Alternative. Buildout of the Alternative would not exceed established thresholds for criteria pollutants. Therefore, construction of the North Palm Springs Site Development Alternative would have less than significant impacts to air quality.

Table 25
Construction Emissions for the North Palm Springs Site Development Alternative

(Lbs/day)

	CO	NO_x	ROG	SO_x	PM_{10}	$PM_{2.5}$
N. Palm Springs Alternative	77.02	55.24	54.20	0.12	9.87	4.35
SCAQMD Threshold	**550.00**	**100.00**	**75.00**	**150.00**	**150.00**	**55.00**
Exceeds Threshold	**No**	**No**	**No**	**No**	**No**	**No**
Source: CalEEMod Version 2013.2.2. See Appendix A for detailed tables. Value shown represents the average emissions from summer and winter.						

In addition to the emission of criteria pollutants, the North Palm Springs Site Development Alternative would result in emissions of GHGs during construction. The table below shows the total GHG emissions generated during construction and buildout of the North Palm Springs Site Development Alternative. As with the Proposed Project, GHG emissions from the North Palm Springs Site Development Alternative would not adversely impact air quality or interfere with an established GHG reduction plan. Therefore, impacts to climate change from GHG emissions during construction of the North Palm Springs Site Development Alterative would result in less than significant impacts.

Table 26
Construction GHG Emissions for the North Palm Springs Site Development Alternative

(metric tonnes)

	CO_2	CH_4	N_2O	CO_2e
N. Palm Springs Alternative	8,045.56	1.20	0.00	8,070.81

Source: CalEEMod Version 2013.2.2. See Appendix A for detailed tables. Values shown project the total GHG emissions from construction.

The table below summarizes the criteria pollutant emissions associated with operation of the North Palm Springs Site Alternative. For purposes of comparative analysis, the same trip rate generations were used for all alternatives. Operation of the North Palm Springs Site Development Alternative will not exceed SCAQMD thresholds for any criteria pollutant.

Table 27
Operational Emissions for the North Palm Springs Site Development Alternative

(Lbs per day)

	CO	NO_x	ROG	SO_x	PM_{10}	$PM_{2.5}$
N. Palm Springs Alternative	321.77	57.60	53.47	0.62	41.91	12.11
SCAQMD Threshold	**550.00**	**100.00**	**75.00**	**150.00**	**150.00**	**55.00**
Exceeds Threshold	**No**	**No**	**No**	**No**	**No**	**No**

Source: CalEEMod Version 2013.2.2. See Appendix A for detailed tables. Value shown represents the average emissions from summer and winter.

GHG emissions will also be generated by operation of the North Palm Springs Site Development Alternative. The table below shows the estimated GHG emissions associated with buildout operation. As with the Proposed Project, GHG emissions from the North Palm Springs Site Development Alternative would not adversely impact air quality or interfere with an established GHG reduction plan. Therefore, the North Palm Springs Site Development Alternative would have less than significant impacts to air quality from the emissions of GHGs at operation.

Table 28
Operational GHG Emissions for the More Intense Alternative

(metric tonnes)

	CO_2	CH_4	N_2O	CO_2e
N. Palm Springs Alternative	7,791.16	19.03	0.03	8,200.79

Source: CalEEMod Version 2013.2.2. See Appendix A for detailed tables. Values shown project the annual GHG emissions from operation of the North Palm Springs Site Development Alternative.

D. Mall Repurposing Alternative

Under this alternative, the existing Palm Springs Mall would be renovated and repurposed resulting in the integration of both the planned community/college library and the conference center within the existing mall building envelope. The existing points of site access and parking configuration would be maintained under this alternative.

CalEEMod does not specifically address structure remodeling or repurposing as an air quality modeling option. Therefore, it was assumed that the entire mall footprint would be rebuilt for analysis purposes due to the limitations of CalEEMod and the unknown condition of the existing mall structure. This method of modeling produces higher emissions than are expected from an actual remodel; thus, the results are considered conservative. However, it is a likely that the existing mall structure does not meet current building codes and will require reconstruction of the entire mall footprint regardless.

As shown in the following tables, construction of the Mall Repurposing Alternative will not exceed any established thresholds for air quality pollutants, and impacts related to construction will be less than significant.

Table 29
Construction Emissions for the Mall Repurposing Alternative

(Lbs/day)

	CO	NO_x	ROG	SO_x	PM_{10}	$PM_{2.5}$
Mall Repurpose Alternative	59.72	52.41	69.96	0.09	5.75	4.23
SCAQMD Threshold	**550.00**	**100.00**	**75.00**	**150.00**	**150.00**	**55.00**
Exceeds Threshold	**No**	**No**	**No**	**No**	**No**	**No**

Source: CalEEMod Version 2013.2.2. See Appendix A for detailed tables. Value shown represents the average unmitigated emissions from summer and winter. Note that buildout occurs over an 8 year period, therefore the highest emitting year for a particular pollutant is shown (worst case scenario).

In addition to the emission of criteria pollutants, the Mall Repurposing Alternative would result in emissions of GHGs during construction. The table below shows the total GHG emissions generated during construction of the Mall Repurposing Alternative. As with the Proposed Project, GHG emissions from the Mall Repurposing Alternative would not adversely impact air

quality or interfere with an established GHG reduction plan. Therefore, impacts to climate change from GHG emissions during construction of the Mall Repurposing Alterative would result in less than significant impacts.

Table 30
Construction GHG Emissions for the Mall Repurposing Alternative

(metric tonnes)

	CO_2	CH_4	N_2O	CO_2e
Mall Repurpose Alternative	6,593.64	1.18	0.00	6,618.45
Source: CalEEMod Version 2013.2.2. See Appendix A for detailed tables. Values shown project the total GHG emissions from construction.				

Operations Emissions

Operation of the Mall Repurposing Alternative will yield emissions that are very similar to the Proposed Project because the overall building square footage and traffic trip rates have not changed. The Mall Repurposing Alternative shows slightly lower emissions than the Proposed Project due to off gassing from parking, which is not a factor in the repurposing alternative. The Mall Repurposing Alternative will utilize the site's existing parking footprint, while the Proposed Project will re-pave/reconfigure the parking footprint. Operation of the Mall Repurposing Alternative will not exceed any established thresholds for air quality pollutants, and impacts related to operation will be less than significant.

Table 31
Operational Emissions for the Mall Repurposing Alternative

(Lbs per day)

	CO	NO_x	ROG	SO_x	PM_{10}	$PM_{2.5}$
Mall Repurpose Alternative	312.37	56.33	45.31	0.61	40.77	11.72
SCAQMD Threshold	**550.00**	**100.00**	**75.00**	**150.00**	**150.00**	**55.00**
Significant	**No**	**No**	**No**	**No**	**No**	**No**
Source: CalEEMod Version 2013.2.2. See Appendix A for detailed tables. Value shown represents average daily unmitigated emission across summer and winter activities.						

Table 32
Operational GHG Emissions for the Mall Repurposing Alternative

(metric tonnes)

	CO_2	CH_4	N_2O	CO_2e
Mall Repurpose Alternative	7,495.56	18.79	0.02	7,899.23
Source: CalEEMod Version 2013.2.2. See Appendix A for detailed tables.				

SECTION V. AIR QUALITY RECOMMENDATIONS

Although development of the proposed COD West Valley Campus is not expected to exceed construction or operational emission thresholds, the following provides standard rules and minimization measures to further reduce impacts to air quality.

A. Standard Air Quality Regulations

The project will adhere to all established air quality standards and regulations including the following:

1. SCAQMD Rule 403 (403.1 specific to the Coachella Valley): A dust control Plan shall be prepared and implemented during all construction activities, include ground disturbance, grubbing, grading, and soil export. Said plan shall include but not be limited to the following best management practices:
    - Chemically treat 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 paved roads adjacent to site;
    - Establish and strictly enforce limits of grading for each phase of development; and/or
    - Stabilize and re-vegetate areas of temporary disturbance needed to accomplish each phase of development.
    - Wash off trucks as they leave the project site as necessary to control fugitive dust emissions.
    - Cover all transported loads of soils, wet materials prior to transport, provide adequate 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.

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

3. SCAQMD Rule 1113: The project shall use low VOC content architectural coatings and paints per the requirements of this Rule.

B. Recommended Control Measures

The following control measures are recommended to further limit air quality emissions:

1. To reduce particulate matter and NOx emissions construction equipment should utilize aqueous diesel fuels, diesel particulate filters and diesel oxidation catalyst during all construction activities.

2. All construction equipment should be properly serviced and maintained in optimal operating condition.

3. Construction equipment should not be left idling for more than five minutes.

4. As feasible, construction waste should be recycling to reroute waste from landfills and minimize the project's contribution to the landfill.

5. The contractor shall notify the City of the start and end of grading and construction activities in conformance and within the time frames established in the 2003 PM_{10} State Implementation Plan.

6. Construction staging and management plans shall be reviewed and conditioned to require the application of all reasonably available methods and technologies to assure the minimal emissions of pollutants from the development. The City Engineer shall review grading plan applications to ensure compliance with the mitigation measures set forth in this document and as otherwise conditioned by the City.

7. Construction equipment and materials shall be sited as far away from residential and park uses as practicable.

C. Residual Impacts

No phase of campus development or operation will exceed SCAQMD daily thresholds for criteria pollutants. Therefore, construction and operational activities associated with the proposed campus project will not violate air quality standards or conflict with an applicable air quality plan. Mitigation measures are not required; however, best design and management practices, as set forth in the WVC Master Plan, will be applied to further reduce potential criteria air pollutant emissions. It should also be noted that air quality impacts associated with the WVC would be offset by the removal of existing operational emissions of the Palm Springs Mall.

As described in the Localized Significance Thresholds discussion, above, LST thresholds will not be exceeded and impacts to sensitive receptors will be less than significant. During campus operations, onsite emissions will be minimal. Therefore, the project has limited potential to impact sensitive receptors in the project vicinity. With implementation of standard requirements for dust control (SCAQMD Rule 403) and those minimization measures set forth below, impacts to sensitive receptors resulting from construction and operation of the West Valley Campus, including the Phase I Project, would be less than significant and result in low residual impacts.

Objectionable odors related to development and operation of the West Valley Campus will be limited and less than significant. As previously discussed in the Objectionable Odor section, above, construction related odors are limited and temporary, and will end once construction is complete. Operational odors are limited to food preparation, and all equipment will be required to comply with ventilation standards set forth by the California Department of Health and Safety. Adherence to applicable health and safety codes will ensure impacts related to odors are less than significant and will result in low residual impacts.

The proposed construction and operation of the West Valley Campus, including the Phase I Project, will result in the emission of greenhouse gases; however, emissions will be limited through sustainable design and construction strategies set forth in the Campus Master Plan. Conservative analysis indicates that GHG emissions generated from the project will not have a significant impact on the environment or conflict with an applicable GHG reduction plan. Therefore, impacts from the generation of GHG during construction and operation of the COD/WVC Master Plan and Phase I Project would be less than significant and will result in low residual impacts.

DOCUMENTS REFERENCED

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

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

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

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

5. "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.

6. "Final 2012 Air Quality Management Plan," prepared by South Coast Air Quality Management District, December 2012.

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

8. "Palm Springs Climate Action Plan," City of Palm Springs, May 2013.

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

10. "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.

APPENDIX A

College of the Desert

West Valley Campus

Air Emission Outputs

CalEEMod Version 2013.2.2

Prepared by:
Terra Nova Planning & Research, Inc.
42365 Melanie Place, Suite 101
Palm Desert, CA 9211

September 21, 2015

PROPOSED PROJECT - BUILDOUT

College of the Desert

West Valley Campus

Air Emission Outputs

CalEEMod Version 2013.2.2

College of the Desert, West Valley Campus Buildout

Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	8,040.00	Student	11.45	300,000.00	0
Library	30.00	1000sqft	0.69	30,000.00	0
Other Asphalt Surfaces	5.00	Acre	5.00	217,800.00	0
Parking Lot	1,330.00	Space	11.97	532,000.00	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)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Buildout of the COD West Valley Campus, Palm Springs California.

Land Use - Includes demolition of the existing mall, construction of 300,000 sf of College space (incl. conference center and retail), 30,000 SF Library and 1,330 parking reconfiguired parking spaces and internal streets.

Construction Phase - Assumes a 8 year buildout for AQ analysis purposes (buildout at 2025). Actual development will likely occur gradually with full buildout closer to 2030.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT - Hauling trips based on demo estimate from Demo Unlimited Inc. plus the additional 33 trips for 500 tons of concrete debris.

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition - Demolition material assumptions based on info provided by Demo Unlimted Inc., assumes 650 loads (12 tons ea) const. mat. and 885 loads (15 tons ea) concrete. Additional 500 tons of concrete added for conservative measure. See DEIR.

Grading - Material import assumptions provided by MSA Consulting. Additional 10,000 import was provided for conservative measure. Assumptions further discussed in EIR.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Trip rate was adjusted to reflect results of Traffic Report. Library = 1,640 daily trips: [30 (1,000s) SF x 54.66]

Road Dust - All roads are paved.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Woodstoves -

Table Name	Column Name	Default Value	New Value
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tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00

tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
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tblTripsAndVMT	WorkerTripNumber	33.00	20.00
tblTripsAndVMT	WorkerTripNumber	28.00	15.00
tblVehicleTrips	WD_TR	56.24	54.66

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					
2017	1.0415	8.6766	8.5380	0.0135	0.7726	0.4415	1.2141	0.2148	0.4117	0.6265	0.0000	1,152.3920	1,152.3920	0.1873	0.0000	1,156.3261
2018	1.0732	7.7661	9.9950	0.0168	0.6008	0.3857	0.9865	0.1616	0.3625	0.5240	0.0000	1,364.7187	1,364.7187	0.1886	0.0000	1,368.6800
2019	0.9726	7.0565	9.5830	0.0167	0.6008	0.3418	0.9426	0.1615	0.3211	0.4826	0.0000	1,336.8723	1,336.8723	0.1853	0.0000	1,340.7626
2020	0.8877	6.4111	9.1935	0.0168	0.6030	0.3070	0.9100	0.1621	0.2882	0.4503	0.0000	1,309.1062	1,309.1062	0.1832	0.0000	1,312.9525
2021	0.8102	5.6801	8.8957	0.0167	0.6007	0.2665	0.8672	0.1615	0.2501	0.4116	0.0000	1,298.3862	1,298.3862	0.1804	0.0000	1,302.1742
2022	0.7464	5.0253	8.6698	0.0167	0.5984	0.2324	0.8307	0.1609	0.2181	0.3789	0.0000	1,287.9309	1,287.9309	0.1783	0.0000	1,291.6756
2023	0.6977	3.5231	5.9217	0.0112	0.3676	0.1666	0.5342	0.0983	0.1558	0.2542	0.0000	877.6997	877.6997	0.1415	0.0000	880.6701
2024	3.7997	0.1551	0.7979	2.0700e-003	0.5692	4.6100e-003	0.5738	0.1429	4.5000e-003	0.1474	0.0000	129.1388	129.1388	8.6200e-003	0.0000	129.3197
Total	**10.0289**	**44.2940**	**61.5947**	**0.1104**	**4.7129**	**2.1460**	**6.8590**	**1.2636**	**2.0119**	**3.2755**	**0.0000**	**8,756.2446**	**8,756.2446**	**1.2531**	**0.0000**	**8,782.5606**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	1.0415	7.2130	8.5380	0.0135	0.5318	0.4415	0.9733	0.1458	0.4117	0.5575	0.0000	1,152.3912	1,152.3912	0.1873	0.0000	1,156.3253
2018	1.0732	6.5465	9.9950	0.0168	0.6008	0.3857	0.9865	0.1616	0.3625	0.5240	0.0000	1,364.7179	1,364.7179	0.1886	0.0000	1,368.6792
2019	0.9726	5.9507	9.5830	0.0167	0.6008	0.3418	0.9426	0.1615	0.3211	0.4826	0.0000	1,336.8715	1,336.8715	0.1853	0.0000	1,340.7618
2020	0.8877	5.3945	9.1935	0.0168	0.6030	0.3070	0.9100	0.1621	0.2882	0.4503	0.0000	1,309.1054	1,309.1054	0.1832	0.0000	1,312.9518
2021	0.8102	4.7687	8.8957	0.0167	0.6007	0.2665	0.8672	0.1615	0.2501	0.4116	0.0000	1,298.3854	1,298.3854	0.1804	0.0000	1,302.1734
2022	0.7464	4.2244	8.6698	0.0167	0.5984	0.2324	0.8307	0.1609	0.2181	0.3789	0.0000	1,287.9302	1,287.9302	0.1783	0.0000	1,291.6748
2023	0.6977	2.9223	5.9217	0.0112	0.3676	0.1666	0.5342	0.0983	0.1558	0.2542	0.0000	877.6991	877.6991	0.1415	0.0000	880.6695
2024	3.7997	0.1382	0.7979	2.0700e-003	0.5692	4.6100e-003	0.5738	0.1429	4.5000e-003	0.1474	0.0000	129.1387	129.1387	8.6200e-003	0.0000	129.3197
Total	**10.0289**	**37.1582**	**61.5946**	**0.1104**	**4.4721**	**2.1460**	**6.6181**	**1.1946**	**2.0119**	**3.2065**	**0.0000**	**8,756.2395**	**8,756.2395**	**1.2531**	**0.0000**	**8,782.5554**

	ROG	NOx	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**	**16.11**	**0.00**	**0.00**	**5.11**	**0.00**	**3.51**	**5.46**	**0.00**	**2.11**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.8784	7.8000e-004	0.0862	1.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	0.1681	0.1681	4.4000e-004	0.0000	0.1772
Energy	0.0289	0.2629	0.2209	1.5800e-003		0.0200	0.0200		0.0200	0.0200	0.0000	1,275.8670	1,275.8670	0.0510	0.0147	1,281.4819
Mobile	4.0069	7.9815	42.5141	0.0874	5.6084	0.1660	5.7743	1.4982	0.1530	1.6512	0.0000	5,886.3975	5,886.3975	0.2185	0.0000	5,890.9852
Waste						0.0000	0.0000		0.0000	0.0000	303.4573	0.0000	303.4573	17.9338	0.0000	680.0673
Water						0.0000	0.0000		0.0000	0.0000	5.7591	157.9131	163.6722	0.5988	0.0155	181.0419
Total	**8.9142**	**8.2452**	**42.8212**	**0.0890**	**5.6084**	**0.1863**	**5.7946**	**1.4982**	**0.1733**	**1.6715**	**309.2164**	**7,320.3455**	**7,629.5620**	**18.8025**	**0.0301**	**8,033.7535**

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	4.8784	7.8000e-004	0.0862	1.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	0.1681	0.1681	4.4000e-004	0.0000	0.1772
Energy	0.0289	0.2629	0.2209	1.5800e-003		0.0200	0.0200		0.0200	0.0200	0.0000	1,275.8670	1,275.8670	0.0510	0.0147	1,281.4819
Mobile	4.0069	7.9815	42.5141	0.0874	5.6084	0.1660	5.7743	1.4982	0.1530	1.6512	0.0000	5,886.3975	5,886.3975	0.2185	0.0000	5,890.9852
Waste						0.0000	0.0000		0.0000	0.0000	303.4573	0.0000	303.4573	17.9338	0.0000	680.0673
Water						0.0000	0.0000		0.0000	0.0000	5.7591	157.9131	163.6722	0.5987	0.0155	181.0327
Total	**8.9142**	**8.2452**	**42.8212**	**0.0890**	**5.6084**	**0.1863**	**5.7946**	**1.4982**	**0.1733**	**1.6715**	**309.2164**	**7,320.3455**	**7,629.5620**	**18.8024**	**0.0301**	**8,033.7443**

	ROG	NOx	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**	**0.07**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	3/10/2017	5	50	
2	Grading	Grading	3/11/2017	6/2/2017	5	60	
3	Building Construction	Building Construction	6/3/2017	7/21/2023	5	1600	
4	Paving	Paving	7/22/2023	12/22/2023	5	110	
5	Architectural Coating	Architectural Coating	12/23/2023	5/24/2024	5	110	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 29.11

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 845,640; Non-Residential Outdoor: 281,880 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40
Demolition	Rubber Tired Loaders	2	6.00	199	0.36
Demolition	Signal Boards	1	6.00	6	0.82
Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42

Grading	Plate Compactors	1	6.00	8	0.43
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45
Paving	Concrete/Industrial Saws	1	6.00	81	0.73
Paving	Graders	1	6.00	174	0.41
Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38

Paving	Signal Boards	1	6.00	6	0.82
Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	13	15.00	0.00	1,568.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	13	20.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	454.00	177.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	11	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	91.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	91.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	91.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	91.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2399	0.0000	0.2399	0.0363	0.0000	0.0363	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1368	1.4551	0.9154	1.2800e-003		0.0743	0.0743		0.0689	0.0689	0.0000	117.5205	117.5205	0.0336	0.0000	118.2268
Total	**0.1368**	**1.4551**	**0.9154**	**1.2800e-003**	**0.2399**	**0.0743**	**0.3142**	**0.0363**	**0.0689**	**0.1052**	**0.0000**	**117.5205**	**117.5205**	**0.0336**	**0.0000**	**118.2268**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0132	0.1667	0.1807	5.5000e-004	0.0136	3.8100e-003	0.0174	3.7300e-003	3.5000e-003	7.2300e-003	0.0000	49.3215	49.3215	2.7000e-004	0.0000	49.3272
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4300e-003	2.0400e-003	0.0194	4.0000e-005	3.1000e-003	2.0000e-005	3.1200e-003	8.2000e-004	2.0000e-005	8.4000e-004	0.0000	2.5386	2.5386	1.5000e-004	0.0000	2.5418
Total	**0.0146**	**0.1687**	**0.2001**	**5.9000e-004**	**0.0167**	**3.8300e-003**	**0.0205**	**4.5500e-003**	**3.5200e-003**	**8.0700e-003**	**0.0000**	**51.8601**	**51.8601**	**4.2000e-004**	**0.0000**	**51.8690**

3.2 Demolition - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0936	0.0000	0.0936	0.0142	0.0000	0.0142	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1368	1.1640	0.9154	1.2800e-003		0.0743	0.0743		0.0689	0.0689	0.0000	117.5203	117.5203	0.0336	0.0000	118.2267
Total	**0.1368**	**1.1640**	**0.9154**	**1.2800e-003**	**0.0936**	**0.0743**	**0.1679**	**0.0142**	**0.0689**	**0.0830**	**0.0000**	**117.5203**	**117.5203**	**0.0336**	**0.0000**	**118.2267**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0132	0.1667	0.1807	5.5000e-004	0.0136	3.8100e-003	0.0174	3.7300e-003	3.5000e-003	7.2300e-003	0.0000	49.3215	49.3215	2.7000e-004	0.0000	49.3272
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4300e-003	2.0400e-003	0.0194	4.0000e-005	3.1000e-003	2.0000e-005	3.1200e-003	8.2000e-004	2.0000e-005	8.4000e-004	0.0000	2.5386	2.5386	1.5000e-004	0.0000	2.5418
Total	**0.0146**	**0.1687**	**0.2001**	**5.9000e-004**	**0.0167**	**3.8300e-003**	**0.0205**	**4.5500e-003**	**3.5200e-003**	**8.0700e-003**	**0.0000**	**51.8601**	**51.8601**	**4.2000e-004**	**0.0000**	**51.8690**

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1549	0.0000	0.1549	0.0768	0.0000	0.0768	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1714	1.7998	1.1581	1.5000e-003		0.0984	0.0984		0.0906	0.0906	0.0000	138.5845	138.5845	0.0421	0.0000	139.4689
Total	**0.1714**	**1.7998**	**1.1581**	**1.5000e-003**	**0.1549**	**0.0984**	**0.2534**	**0.0768**	**0.0906**	**0.1674**	**0.0000**	**138.5845**	**138.5845**	**0.0421**	**0.0000**	**139.4689**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0105	0.1329	0.1440	4.4000e-004	0.0108	3.0300e-003	0.0139	2.9700e-003	2.7900e-003	5.7600e-003	0.0000	39.3188	39.3188	2.2000e-004	0.0000	39.3234
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2900e-003	3.2700e-003	0.0310	6.0000e-005	4.9600e-003	3.0000e-005	4.9900e-003	1.3200e-003	3.0000e-005	1.3500e-003	0.0000	4.0618	4.0618	2.4000e-004	0.0000	4.0669
Total	**0.0128**	**0.1361**	**0.1751**	**5.0000e-004**	**0.0158**	**3.0600e-003**	**0.0189**	**4.2900e-003**	**2.8200e-003**	**7.1100e-003**	**0.0000**	**43.3806**	**43.3806**	**4.6000e-004**	**0.0000**	**43.3903**

3.3 Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0604	0.0000	0.0604	0.0299	0.0000	0.0299	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1714	1.4398	1.1581	1.5000e-003		0.0984	0.0984		0.0906	0.0906	0.0000	138.5843	138.5843	0.0421	0.0000	139.4688
Total	**0.1714**	**1.4398**	**1.1581**	**1.5000e-003**	**0.0604**	**0.0984**	**0.1589**	**0.0299**	**0.0906**	**0.1205**	**0.0000**	**138.5843**	**138.5843**	**0.0421**	**0.0000**	**139.4688**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0105	0.1329	0.1440	4.4000e-004	0.0108	3.0300e-003	0.0139	2.9700e-003	2.7900e-003	5.7600e-003	0.0000	39.3188	39.3188	2.2000e-004	0.0000	39.3234
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2900e-003	3.2700e-003	0.0310	6.0000e-005	4.9600e-003	3.0000e-005	4.9900e-003	1.3200e-003	3.0000e-005	1.3500e-003	0.0000	4.0618	4.0618	2.4000e-004	0.0000	4.0669
Total	**0.0128**	**0.1361**	**0.1751**	**5.0000e-004**	**0.0158**	**3.0600e-003**	**0.0189**	**4.2900e-003**	**2.8200e-003**	**7.1100e-003**	**0.0000**	**43.3806**	**43.3806**	**4.6000e-004**	**0.0000**	**43.3903**

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4531	4.0635	2.6802	4.2100e-003		0.2430	0.2430		0.2285	0.2285	0.0000	377.4515	377.4515	0.0956	0.0000	379.4594
Total	**0.4531**	**4.0635**	**2.6802**	**4.2100e-003**		**0.2430**	**0.2430**		**0.2285**	**0.2285**	**0.0000**	**377.4515**	**377.4515**	**0.0956**	**0.0000**	**379.4594**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1227	0.8680	1.6481	2.1700e-003	0.0638	0.0171	0.0809	0.0181	0.0157	0.0339	0.0000	193.0877	193.0877	1.2600e-003	0.0000	193.1142
Worker	0.1301	0.1855	1.7611	3.2600e-003	0.2815	1.8100e-003	0.2833	0.0747	1.6700e-003	0.0764	0.0000	230.5071	230.5071	0.0138	0.0000	230.7974
Total	**0.2528**	**1.0535**	**3.4092**	**5.4300e-003**	**0.3453**	**0.0189**	**0.3642**	**0.0929**	**0.0174**	**0.1103**	**0.0000**	**423.5948**	**423.5948**	**0.0151**	**0.0000**	**423.9116**

3.4 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4531	3.2508	2.6802	4.2100e-003		0.2430	0.2430		0.2285	0.2285	0.0000	377.4510	377.4510	0.0956	0.0000	379.4590
Total	**0.4531**	**3.2508**	**2.6802**	**4.2100e-003**		**0.2430**	**0.2430**		**0.2285**	**0.2285**	**0.0000**	**377.4510**	**377.4510**	**0.0956**	**0.0000**	**379.4590**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1227	0.8680	1.6481	2.1700e-003	0.0638	0.0171	0.0809	0.0181	0.0157	0.0339	0.0000	193.0877	193.0877	1.2600e-003	0.0000	193.1142
Worker	0.1301	0.1855	1.7611	3.2600e-003	0.2815	1.8100e-003	0.2833	0.0747	1.6700e-003	0.0764	0.0000	230.5071	230.5071	0.0138	0.0000	230.7974
Total	**0.2528**	**1.0535**	**3.4092**	**5.4300e-003**	**0.3453**	**0.0189**	**0.3642**	**0.0929**	**0.0174**	**0.1103**	**0.0000**	**423.5948**	**423.5948**	**0.0151**	**0.0000**	**423.9116**

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6783	6.0982	4.5306	7.3200e-003		0.3547	0.3547		0.3339	0.3339	0.0000	649.1747	649.1747	0.1640	0.0000	652.6195
Total	**0.6783**	**6.0982**	**4.5306**	**7.3200e-003**		**0.3547**	**0.3547**		**0.3339**	**0.3339**	**0.0000**	**649.1747**	**649.1747**	**0.1640**	**0.0000**	**652.6195**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1905	1.3722	2.6772	3.7600e-003	0.1110	0.0279	0.1389	0.0315	0.0257	0.0572	0.0000	329.9444	329.9444	2.1500e-003	0.0000	329.9896
Worker	0.2044	0.2958	2.7872	5.6600e-003	0.4898	3.1000e-003	0.4929	0.1300	2.8700e-003	0.1329	0.0000	385.5996	385.5996	0.0224	0.0000	386.0709
Total	**0.3949**	**1.6680**	**5.4644**	**9.4200e-003**	**0.6008**	**0.0310**	**0.6318**	**0.1616**	**0.0285**	**0.1901**	**0.0000**	**715.5440**	**715.5440**	**0.0246**	**0.0000**	**716.0605**

3.4 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6783	4.8785	4.5306	7.3200e-003		0.3547	0.3547		0.3339	0.3339	0.0000	649.1739	649.1739	0.1640	0.0000	652.6187
Total	**0.6783**	**4.8785**	**4.5306**	**7.3200e-003**		**0.3547**	**0.3547**		**0.3339**	**0.3339**	**0.0000**	**649.1739**	**649.1739**	**0.1640**	**0.0000**	**652.6187**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1905	1.3722	2.6772	3.7600e-003	0.1110	0.0279	0.1389	0.0315	0.0257	0.0572	0.0000	329.9444	329.9444	2.1500e-003	0.0000	329.9896
Worker	0.2044	0.2958	2.7872	5.6600e-003	0.4898	3.1000e-003	0.4929	0.1300	2.8700e-003	0.1329	0.0000	385.5996	385.5996	0.0224	0.0000	386.0709
Total	**0.3949**	**1.6680**	**5.4644**	**9.4200e-003**	**0.6008**	**0.0310**	**0.6318**	**0.1616**	**0.0285**	**0.1901**	**0.0000**	**715.5440**	**715.5440**	**0.0246**	**0.0000**	**716.0605**

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6103	5.5290	4.4655	7.3200e-003		0.3128	0.3128		0.2944	0.2944	0.0000	641.7004	641.7004	0.1619	0.0000	645.1009
Total	**0.6103**	**5.5290**	**4.4655**	**7.3200e-003**		**0.3128**	**0.3128**		**0.2944**	**0.2944**	**0.0000**	**641.7004**	**641.7004**	**0.1619**	**0.0000**	**645.1009**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1746	1.2543	2.5385	3.7500e-003	0.1110	0.0259	0.1369	0.0315	0.0238	0.0553	0.0000	324.0493	324.0493	2.1100e-003	0.0000	324.0937
Worker	0.1877	0.2732	2.5791	5.6600e-003	0.4898	3.1000e-003	0.4929	0.1300	2.8700e-003	0.1329	0.0000	371.1226	371.1226	0.0212	0.0000	371.5680
Total	**0.3622**	**1.5275**	**5.1175**	**9.4100e-003**	**0.6008**	**0.0290**	**0.6298**	**0.1615**	**0.0267**	**0.1882**	**0.0000**	**695.1719**	**695.1719**	**0.0233**	**0.0000**	**695.6617**

3.4 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6103	4.4232	4.4655	7.3200e-003		0.3128	0.3128		0.2944	0.2944	0.0000	641.6997	641.6997	0.1619	0.0000	645.1001
Total	**0.6103**	**4.4232**	**4.4655**	**7.3200e-003**		**0.3128**	**0.3128**		**0.2944**	**0.2944**	**0.0000**	**641.6997**	**641.6997**	**0.1619**	**0.0000**	**645.1001**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1746	1.2543	2.5385	3.7500e-003	0.1110	0.0259	0.1369	0.0315	0.0238	0.0553	0.0000	324.0493	324.0493	2.1100e-003	0.0000	324.0937
Worker	0.1877	0.2732	2.5791	5.6600e-003	0.4898	3.1000e-003	0.4929	0.1300	2.8700e-003	0.1329	0.0000	371.1226	371.1226	0.0212	0.0000	371.5680
Total	**0.3622**	**1.5275**	**5.1175**	**9.4100e-003**	**0.6008**	**0.0290**	**0.6298**	**0.1615**	**0.0267**	**0.1882**	**0.0000**	**695.1719**	**695.1719**	**0.0233**	**0.0000**	**695.6617**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5619	5.0834	4.4338	7.3500e-003		0.2805	0.2805		0.2638	0.2638	0.0000	634.1181	634.1181	0.1608	0.0000	637.4955
Total	**0.5619**	**5.0834**	**4.4338**	**7.3500e-003**		**0.2805**	**0.2805**		**0.2638**	**0.2638**	**0.0000**	**634.1181**	**634.1181**	**0.1608**	**0.0000**	**637.4955**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1502	1.0709	2.3391	3.7600e-003	0.1113	0.0234	0.1347	0.0316	0.0215	0.0531	0.0000	317.5678	317.5678	2.0400e-003	0.0000	317.6107
Worker	0.1757	0.2569	2.4206	5.6800e-003	0.4917	3.1200e-003	0.4948	0.1305	2.8900e-003	0.1334	0.0000	357.4203	357.4203	0.0203	0.0000	357.8464
Total	**0.3259**	**1.3278**	**4.7597**	**9.4400e-003**	**0.6030**	**0.0265**	**0.6295**	**0.1621**	**0.0244**	**0.1865**	**0.0000**	**674.9881**	**674.9881**	**0.0223**	**0.0000**	**675.4571**

3.4 Building Construction - 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	0.5619	4.0667	4.4338	7.3500e-003		0.2805	0.2805		0.2638	0.2638	0.0000	634.1174	634.1174	0.1608	0.0000	637.4947
Total	**0.5619**	**4.0667**	**4.4338**	**7.3500e-003**		**0.2805**	**0.2805**		**0.2638**	**0.2638**	**0.0000**	**634.1174**	**634.1174**	**0.1608**	**0.0000**	**637.4947**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1502	1.0709	2.3391	3.7600e-003	0.1113	0.0234	0.1347	0.0316	0.0215	0.0531	0.0000	317.5678	317.5678	2.0400e-003	0.0000	317.6107
Worker	0.1757	0.2569	2.4206	5.6800e-003	0.4917	3.1200e-003	0.4948	0.1305	2.8900e-003	0.1334	0.0000	357.4203	357.4203	0.0203	0.0000	357.8464
Total	**0.3259**	**1.3278**	**4.7597**	**9.4400e-003**	**0.6030**	**0.0265**	**0.6295**	**0.1621**	**0.0244**	**0.1865**	**0.0000**	**674.9881**	**674.9881**	**0.0223**	**0.0000**	**675.4571**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5052	4.5572	4.3687	7.3200e-003		0.2431	0.2431		0.2286	0.2286	0.0000	631.6535	631.6535	0.1587	0.0000	634.9859
Total	**0.5052**	**4.5572**	**4.3687**	**7.3200e-003**		**0.2431**	**0.2431**		**0.2286**	**0.2286**	**0.0000**	**631.6535**	**631.6535**	**0.1587**	**0.0000**	**634.9859**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1392	0.8801	2.2301	3.7400e-003	0.1109	0.0203	0.1312	0.0315	0.0187	0.0501	0.0000	315.9176	315.9176	2.0500e-003	0.0000	315.9607
Worker	0.1659	0.2428	2.2968	5.6600e-003	0.4898	3.1500e-003	0.4930	0.1300	2.9200e-003	0.1330	0.0000	350.8151	350.8151	0.0196	0.0000	351.2276
Total	**0.3050**	**1.1229**	**4.5270**	**9.4000e-003**	**0.6007**	**0.0234**	**0.6241**	**0.1615**	**0.0216**	**0.1831**	**0.0000**	**666.7327**	**666.7327**	**0.0217**	**0.0000**	**667.1882**

3.4 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5052	3.6458	4.3687	7.3200e-003		0.2431	0.2431		0.2286	0.2286	0.0000	631.6527	631.6527	0.1587	0.0000	634.9852
Total	**0.5052**	**3.6458**	**4.3687**	**7.3200e-003**		**0.2431**	**0.2431**		**0.2286**	**0.2286**	**0.0000**	**631.6527**	**631.6527**	**0.1587**	**0.0000**	**634.9852**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1392	0.8801	2.2301	3.7400e-003	0.1109	0.0203	0.1312	0.0315	0.0187	0.0501	0.0000	315.9176	315.9176	2.0500e-003	0.0000	315.9607
Worker	0.1659	0.2428	2.2968	5.6600e-003	0.4898	3.1500e-003	0.4930	0.1300	2.9200e-003	0.1330	0.0000	350.8151	350.8151	0.0196	0.0000	351.2276
Total	**0.3050**	**1.1229**	**4.5270**	**9.4000e-003**	**0.6007**	**0.0234**	**0.6241**	**0.1615**	**0.0216**	**0.1831**	**0.0000**	**666.7327**	**666.7327**	**0.0217**	**0.0000**	**667.1882**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4542	4.0046	4.3078	7.3000e-003		0.2093	0.2093		0.1969	0.1969	0.0000	629.2945	629.2945	0.1572	0.0000	632.5960
Total	**0.4542**	**4.0046**	**4.3078**	**7.3000e-003**		**0.2093**	**0.2093**		**0.1969**	**0.1969**	**0.0000**	**629.2945**	**629.2945**	**0.1572**	**0.0000**	**632.5960**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1346	0.7886	2.1822	3.7200e-003	0.1104	0.0199	0.1303	0.0313	0.0183	0.0496	0.0000	314.3066	314.3066	2.0800e-003	0.0000	314.3503
Worker	0.1576	0.2321	2.1798	5.6400e-003	0.4879	3.1500e-003	0.4911	0.1295	2.9200e-003	0.1325	0.0000	344.3299	344.3299	0.0190	0.0000	344.7292
Total	**0.2922**	**1.0207**	**4.3620**	**9.3600e-003**	**0.5984**	**0.0230**	**0.6214**	**0.1609**	**0.0212**	**0.1821**	**0.0000**	**658.6365**	**658.6365**	**0.0211**	**0.0000**	**659.0795**

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4542	3.2037	4.3078	7.3000e-003		0.2093	0.2093		0.1969	0.1969	0.0000	629.2937	629.2937	0.1572	0.0000	632.5953
Total	**0.4542**	**3.2037**	**4.3078**	**7.3000e-003**		**0.2093**	**0.2093**		**0.1969**	**0.1969**	**0.0000**	**629.2937**	**629.2937**	**0.1572**	**0.0000**	**632.5953**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1346	0.7886	2.1822	3.7200e-003	0.1104	0.0199	0.1303	0.0313	0.0183	0.0496	0.0000	314.3066	314.3066	2.0800e-003	0.0000	314.3503
Worker	0.1576	0.2321	2.1798	5.6400e-003	0.4879	3.1500e-003	0.4911	0.1295	2.9200e-003	0.1325	0.0000	344.3299	344.3299	0.0190	0.0000	344.7292
Total	**0.2922**	**1.0207**	**4.3620**	**9.3600e-003**	**0.5984**	**0.0230**	**0.6214**	**0.1609**	**0.0212**	**0.1821**	**0.0000**	**658.6365**	**658.6365**	**0.0211**	**0.0000**	**659.0795**

3.4 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	0.2367	2.0589	2.3910	4.0700e-003		0.1043	0.1043		0.0980	0.0980	0.0000	350.9678	350.9678	0.0871	0.0000	352.7970
Total	**0.2367**	**2.0589**	**2.3910**	**4.0700e-003**		**0.1043**	**0.1043**		**0.0980**	**0.0980**	**0.0000**	**350.9678**	**350.9678**	**0.0871**	**0.0000**	**352.7970**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0701	0.3875	1.1712	2.0700e-003	0.0616	0.0106	0.0722	0.0175	9.7800e-003	0.0273	0.0000	174.8462	174.8462	1.0900e-003	0.0000	174.8691
Worker	0.0842	0.1249	1.1622	3.1400e-003	0.2721	1.7600e-003	0.2739	0.0722	1.6300e-003	0.0739	0.0000	189.4820	189.4820	0.0104	0.0000	189.6993
Total	**0.1543**	**0.5125**	**2.3334**	**5.2100e-003**	**0.3337**	**0.0124**	**0.3461**	**0.0897**	**0.0114**	**0.1011**	**0.0000**	**364.3282**	**364.3282**	**0.0114**	**0.0000**	**364.5684**

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2367	1.6471	2.3910	4.0700e-003		0.1043	0.1043		0.0980	0.0980	0.0000	350.9674	350.9674	0.0871	0.0000	352.7966
Total	**0.2367**	**1.6471**	**2.3910**	**4.0700e-003**		**0.1043**	**0.1043**		**0.0980**	**0.0980**	**0.0000**	**350.9674**	**350.9674**	**0.0871**	**0.0000**	**352.7966**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0701	0.3875	1.1712	2.0700e-003	0.0616	0.0106	0.0722	0.0175	9.7800e-003	0.0273	0.0000	174.8462	174.8462	1.0900e-003	0.0000	174.8691
Worker	0.0842	0.1249	1.1622	3.1400e-003	0.2721	1.7600e-003	0.2739	0.0722	1.6300e-003	0.0739	0.0000	189.4820	189.4820	0.0104	0.0000	189.6993
Total	**0.1543**	**0.5125**	**2.3334**	**5.2100e-003**	**0.3337**	**0.0124**	**0.3461**	**0.0897**	**0.0114**	**0.1011**	**0.0000**	**364.3282**	**364.3282**	**0.0114**	**0.0000**	**364.5684**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1013	0.9409	1.1295	1.7400e-003		0.0496	0.0496		0.0461	0.0461	0.0000	151.5053	151.5053	0.0422	0.0000	152.3921
Paving	0.0222					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1236**	**0.9409**	**1.1295**	**1.7400e-003**		**0.0496**	**0.0496**		**0.0461**	**0.0461**	**0.0000**	**151.5053**	**151.5053**	**0.0422**	**0.0000**	**152.3921**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.1100e-003	3.1300e-003	0.0291	8.0000e-005	6.8200e-003	4.0000e-005	6.8600e-003	1.8100e-003	4.0000e-005	1.8500e-003	0.0000	4.7493	4.7493	2.6000e-004	0.0000	4.7547
Total	**2.1100e-003**	**3.1300e-003**	**0.0291**	**8.0000e-005**	**6.8200e-003**	**4.0000e-005**	**6.8600e-003**	**1.8100e-003**	**4.0000e-005**	**1.8500e-003**	**0.0000**	**4.7493**	**4.7493**	**2.6000e-004**	**0.0000**	**4.7547**

3.5 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1013	0.7527	1.1295	1.7400e-003		0.0496	0.0496		0.0461	0.0461	0.0000	151.5051	151.5051	0.0422	0.0000	152.3919
Paving	0.0222					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1236**	**0.7527**	**1.1295**	**1.7400e-003**		**0.0496**	**0.0496**		**0.0461**	**0.0461**	**0.0000**	**151.5051**	**151.5051**	**0.0422**	**0.0000**	**152.3919**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.1100e-003	3.1300e-003	0.0291	8.0000e-005	6.8200e-003	4.0000e-005	6.8600e-003	1.8100e-003	4.0000e-005	1.8500e-003	0.0000	4.7493	4.7493	2.6000e-004	0.0000	4.7547
Total	**2.1100e-003**	**3.1300e-003**	**0.0291**	**8.0000e-005**	**6.8200e-003**	**4.0000e-005**	**6.8600e-003**	**1.8100e-003**	**4.0000e-005**	**1.8500e-003**	**0.0000**	**4.7493**	**4.7493**	**2.6000e-004**	**0.0000**	**4.7547**

3.6 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	0.1782					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4000e-004	4.2400e-003	6.5400e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	0.9105	0.9105	1.3000e-004	0.0000	0.9132
Total	**0.1787**	**4.2400e-003**	**6.5400e-003**	**1.0000e-005**		**1.9000e-004**	**1.9000e-004**		**1.9000e-004**	**1.9000e-004**	**0.0000**	**0.9105**	**0.9105**	**1.3000e-004**	**0.0000**	**0.9132**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.3300e-003	3.4500e-003	0.0321	9.0000e-005	0.0271	5.0000e-005	0.0272	6.8000e-003	5.0000e-005	6.8500e-003	0.0000	5.2386	5.2386	2.9000e-004	0.0000	5.2446
Total	**2.3300e-003**	**3.4500e-003**	**0.0321**	**9.0000e-005**	**0.0271**	**5.0000e-005**	**0.0272**	**6.8000e-003**	**5.0000e-005**	**6.8500e-003**	**0.0000**	**5.2386**	**5.2386**	**2.9000e-004**	**0.0000**	**5.2446**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1782					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4000e-004	3.3900e-003	6.5400e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	0.9105	0.9105	1.3000e-004	0.0000	0.9132
Total	**0.1787**	**3.3900e-003**	**6.5400e-003**	**1.0000e-005**		**1.9000e-004**	**1.9000e-004**		**1.9000e-004**	**1.9000e-004**	**0.0000**	**0.9105**	**0.9105**	**1.3000e-004**	**0.0000**	**0.9132**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.3300e-003	3.4500e-003	0.0321	9.0000e-005	0.0271	5.0000e-005	0.0272	6.8000e-003	5.0000e-005	6.8500e-003	0.0000	5.2386	5.2386	2.9000e-004	0.0000	5.2446
Total	**2.3300e-003**	**3.4500e-003**	**0.0321**	**9.0000e-005**	**0.0271**	**5.0000e-005**	**0.0272**	**6.8000e-003**	**5.0000e-005**	**6.8500e-003**	**0.0000**	**5.2386**	**5.2386**	**2.9000e-004**	**0.0000**	**5.2446**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.7414					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.0844	0.1374	2.2000e-004		3.5500e-003	3.5500e-003		3.5200e-003	3.5200e-003	0.0000	19.1212	19.1212	2.6000e-003	0.0000	19.1759
Total	**3.7522**	**0.0844**	**0.1374**	**2.2000e-004**		**3.5500e-003**	**3.5500e-003**		**3.5200e-003**	**3.5200e-003**	**0.0000**	**19.1212**	**19.1212**	**2.6000e-003**	**0.0000**	**19.1759**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0474	0.0707	0.6605	1.8500e-003	0.5692	1.0600e-003	0.5702	0.1429	9.8000e-004	0.1438	0.0000	110.0175	110.0175	6.0100e-003	0.0000	110.1438
Total	**0.0474**	**0.0707**	**0.6605**	**1.8500e-003**	**0.5692**	**1.0600e-003**	**0.5702**	**0.1429**	**9.8000e-004**	**0.1438**	**0.0000**	**110.0175**	**110.0175**	**6.0100e-003**	**0.0000**	**110.1438**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.7414					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.0675	0.1374	2.2000e-004		3.5500e-003	3.5500e-003		3.5200e-003	3.5200e-003	0.0000	19.1212	19.1212	2.6000e-003	0.0000	19.1759
Total	**3.7522**	**0.0675**	**0.1374**	**2.2000e-004**		**3.5500e-003**	**3.5500e-003**		**3.5200e-003**	**3.5200e-003**	**0.0000**	**19.1212**	**19.1212**	**2.6000e-003**	**0.0000**	**19.1759**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0474	0.0707	0.6605	1.8500e-003	0.5692	1.0600e-003	0.5702	0.1429	9.8000e-004	0.1438	0.0000	110.0175	110.0175	6.0100e-003	0.0000	110.1438
Total	**0.0474**	**0.0707**	**0.6605**	**1.8500e-003**	**0.5692**	**1.0600e-003**	**0.5702**	**0.1429**	**9.8000e-004**	**0.1438**	**0.0000**	**110.0175**	**110.0175**	**6.0100e-003**	**0.0000**	**110.1438**

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	4.0069	7.9815	42.5141	0.0874	5.6084	0.1660	5.7743	1.4982	0.1530	1.6512	0.0000	5,886.3975	5,886.3975	0.2185	0.0000	5,890.9852
Unmitigated	4.0069	7.9815	42.5141	0.0874	5.6084	0.1660	5.7743	1.4982	0.1530	1.6512	0.0000	5,886.3975	5,886.3975	0.2185	0.0000	5,890.9852

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	9,648.00	3,376.80	321.60	12,134,005	12,134,005
Library	1,639.80	1,396.50	764.70	2,547,548	2,547,548
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	11,287.80	4,773.30	1,086.30	14,681,553	14,681,553

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
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1
Library	12.50	4.20	5.40	52.00	43.00	5.00	44	44	12
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Parking Lot	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.467876	0.065956	0.172405	0.161468	0.036746	0.005953	0.010744	0.069773	0.001331	0.001228	0.003449	0.000500	0.002571

5.0 Energy Detail

4.4 Fleet Mix

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	989.6395	989.6395	0.0455	9.4100e-003	993.5125
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	989.6395	989.6395	0.0455	9.4100e-003	993.5125
NaturalGas Mitigated	0.0289	0.2629	0.2209	1.5800e-003		0.0200	0.0200		0.0200	0.0200	0.0000	286.2275	286.2275	5.4900e-003	5.2500e-003	287.9694
NaturalGas Unmitigated	0.0289	0.2629	0.2209	1.5800e-003		0.0200	0.0200		0.0200	0.0200	0.0000	286.2275	286.2275	5.4900e-003	5.2500e-003	287.9694

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					
Junior College (2Yr)	4.365e+006	0.0235	0.2140	0.1797	1.2800e-003		0.0163	0.0163		0.0163	0.0163	0.0000	232.9330	232.9330	4.4600e-003	4.2700e-003	234.3506
Library	998700	5.3900e-003	0.0490	0.0411	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003	0.0000	53.2944	53.2944	1.0200e-003	9.8000e-004	53.6188
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0289**	**0.2629**	**0.2209**	**1.5700e-003**		**0.0200**	**0.0200**		**0.0200**	**0.0200**	**0.0000**	**286.2275**	**286.2275**	**5.4800e-003**	**5.2500e-003**	**287.9694**

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					
Library	998700	5.3900e-003	0.0490	0.0411	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003	0.0000	53.2944	53.2944	1.0200e-003	9.8000e-004	53.6188
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	4.365e+006	0.0235	0.2140	0.1797	1.2800e-003		0.0163	0.0163		0.0163	0.0163	0.0000	232.9330	232.9330	4.4600e-003	4.2700e-003	234.3506
Total		**0.0289**	**0.2629**	**0.2209**	**1.5700e-003**		**0.0200**	**0.0200**		**0.0200**	**0.0200**	**0.0000**	**286.2275**	**286.2275**	**5.4800e-003**	**5.2500e-003**	**287.9694**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	2.658e+006	760.6316	0.0350	7.2300e-003	763.6083
Library	332100	95.0360	4.3700e-003	9.0000e-004	95.4080
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	468160	133.9719	6.1600e-003	1.2700e-003	134.4962
Total		**989.6395**	**0.0455**	**9.4000e-003**	**993.5125**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	2.658e+006	760.6316	0.0350	7.2300e-003	763.6083
Library	332100	95.0360	4.3700e-003	9.0000e-004	95.4080
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	468160	133.9719	6.1600e-003	1.2700e-003	134.4962
Total		**989.6395**	**0.0455**	**9.4000e-003**	**993.5125**

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	4.8784	7.8000e-004	0.0862	1.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	0.1681	0.1681	4.4000e-004	0.0000	0.1772
Unmitigated	4.8784	7.8000e-004	0.0862	1.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	0.1681	0.1681	4.4000e-004	0.0000	0.1772

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	0.6533					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2172					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.9400e-003	7.8000e-004	0.0862	1.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	0.1681	0.1681	4.4000e-004	0.0000	0.1772
Total	**4.8784**	**7.8000e-004**	**0.0862**	**1.0000e-005**		**3.1000e-004**	**3.1000e-004**		**3.1000e-004**	**3.1000e-004**	**0.0000**	**0.1681**	**0.1681**	**4.4000e-004**	**0.0000**	**0.1772**

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	0.6533					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2172					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.9400e-003	7.8000e-004	0.0862	1.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	0.1681	0.1681	4.4000e-004	0.0000	0.1772
Total	**4.8784**	**7.8000e-004**	**0.0862**	**1.0000e-005**		**3.1000e-004**	**3.1000e-004**		**3.1000e-004**	**3.1000e-004**	**0.0000**	**0.1681**	**0.1681**	**4.4000e-004**	**0.0000**	**0.1772**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	163.6722	0.5987	0.0155	181.0327
Unmitigated	163.6722	0.5988	0.0155	181.0419

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	17.2144 / 26.9252	155.2090	0.5678	0.0147	171.6805
Library	0.938667 / 1.46817	8.4632	0.0310	8.0000e-004	9.3614
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**163.6722**	**0.5988**	**0.0155**	**181.0419**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	17.2144 / 26.9252	155.2090	0.5677	0.0147	171.6718
Library	0.938667 / 1.46817	8.4632	0.0310	8.0000e-004	9.3609
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**163.6722**	**0.5987**	**0.0155**	**181.0327**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	303.4573	17.9338	0.0000	680.0673
Unmitigated	303.4573	17.9338	0.0000	680.0673

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	1467.3	297.8486	17.6024	0.0000	667.4980
Library	27.63	5.6086	0.3315	0.0000	12.5693
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**303.4573**	**17.9338**	**0.0000**	**680.0673**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	1467.3	297.8486	17.6024	0.0000	667.4980
Library	27.63	5.6086	0.3315	0.0000	12.5693
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**303.4573**	**17.9338**	**0.0000**	**680.0673**

9.0 Operational Offroad

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

10.0 Vegetation

College of the Desert, West Valley Campus Buildout

Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	8,040.00	Student	11.45	300,000.00	0
Library	30.00	1000sqft	0.69	30,000.00	0
Other Asphalt Surfaces	5.00	Acre	5.00	217,800.00	0
Parking Lot	1,330.00	Space	11.97	532,000.00	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)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Buildout of the COD West Valley Campus, Palm Springs California.

Land Use - Includes demolition of the existing mall, construction of 300,000 sf of College space (incl. conference center and retail), 30,000 SF Library and 1,330 parking reconfiguired parking spaces and internal streets.

Construction Phase - Assumes a 8 year buildout for AQ analysis purposes (buildout at 2025). Actual development will likely occur gradually with full buildout closer to 2030.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT - Hauling trips based on demo estimate from Demo Unlimited Inc. plus the additional 33 trips for 500 tons of concrete debris.

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition - Demolition material assumptions based on info provided by Demo Unlimted Inc., assumes 650 loads (12 tons ea) const. mat. and 885 loads (15 tons ea) concrete. Additional 500 tons of concrete added for conservative measure. See DEIR.

Grading - Material import assumptions provided by MSA Consulting. Additional 10,000 import was provided for conservative measure. Assumptions further discussed in EIR.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Trip rate was adjusted to reflect results of Traffic Report. Library = 1,640 daily trips: [30 (1,000s) SF x 54.66]

Road Dust - All roads are paved.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Woodstoves -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00

tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstructionPhase	NumDays	30.00	50.00
tblConstructionPhase	NumDays	45.00	60.00
tblConstructionPhase	NumDays	35.00	110.00
tblGrading	AcresOfGrading	90.00	29.11
tblGrading	MaterialImported	0.00	40,000.00
tblLandUse	LandUseSquareFeet	350,963.99	300,000.00
tblLandUse	LotAcreage	8.06	11.45
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	3.00	1.00
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tblOnRoadDust	HaulingPercentPave	50.00	100.00
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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	VendorPercentPave	50.00	100.00
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tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblRoadDust	RoadPercentPave	50	100
tblTripsAndVMT	HaulingTripNumber	2,133.00	1,568.00
tblTripsAndVMT	HaulingTripNumber	5,000.00	1,250.00
tblTripsAndVMT	WorkerTripNumber	33.00	15.00
tblTripsAndVMT	WorkerTripNumber	33.00	20.00
tblTripsAndVMT	WorkerTripNumber	28.00	15.00
tblVehicleTrips	WD_TR	56.24	54.66

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					
2017	9.8075	67.5177	82.6106	0.1294	10.2690	3.4903	13.3944	2.7028	3.2775	5.8167	0.0000	11,851.0253	11,851.0253	1.6267	0.0000	11,885.1854
2018	8.5799	58.8798	77.6377	0.1293	4.6577	2.9544	7.6121	1.2512	2.7763	4.0275	0.0000	11,602.7475	11,602.7475	1.5930	0.0000	11,636.2002
2019	7.7773	53.5077	74.2325	0.1292	4.6573	2.6181	7.2754	1.2510	2.4592	3.7102	0.0000	11,365.2519	11,365.2519	1.5644	0.0000	11,398.1043
2020	7.0718	48.4641	70.6663	0.1291	4.6569	2.3428	6.9997	1.2508	2.1993	3.4501	0.0000	11,086.0003	11,086.0003	1.5408	0.0000	11,118.3575
2021	6.4811	43.1279	68.4851	0.1291	4.6568	2.0414	6.6982	1.2508	1.9160	3.1668	0.0000	11,036.6550	11,036.6550	1.5232	0.0000	11,068.6430
2022	5.9959	38.2957	66.9235	0.1291	4.6566	1.7866	6.4433	1.2507	1.6768	2.9275	0.0000	10,989.3469	10,989.3469	1.5116	0.0000	11,021.0899
2023	72.6191	35.1543	65.3641	0.1290	10.9861	1.6093	11.0832	2.7569	1.5092	2.8520	0.0000	10,943.4509	10,943.4509	1.4979	0.0000	10,974.9064
2024	72.5699	2.8652	16.6243	0.0401	10.9861	0.0878	11.0738	2.7569	0.0858	2.8426	0.0000	2,755.4887	2,755.4887	0.1809	0.0000	2,759.2873
Total	**190.9026**	**347.8124**	**522.5441**	**0.9444**	**55.5266**	**16.9306**	**70.5802**	**14.4710**	**15.9000**	**28.7934**	**0.0000**	**81,629.9665**	**81,629.9665**	**11.0385**	**0.0000**	**81,861.7739**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	9.8075	56.6818	82.6106	0.1294	4.6582	3.4903	8.1485	1.2514	3.2775	4.5288	0.0000	11,851.0253	11,851.0253	1.6267	0.0000	11,885.1854
2018	8.5799	49.5340	77.6377	0.1293	4.6577	2.9544	7.6121	1.2512	2.7763	4.0275	0.0000	11,602.7475	11,602.7475	1.5930	0.0000	11,636.2002
2019	7.7773	45.0341	74.2325	0.1292	4.6573	2.6181	7.2754	1.2510	2.4592	3.7102	0.0000	11,365.2519	11,365.2519	1.5644	0.0000	11,398.1043
2020	7.0718	40.7033	70.6663	0.1291	4.6569	2.3428	6.9997	1.2508	2.1993	3.4501	0.0000	11,086.0003	11,086.0003	1.5408	0.0000	11,118.3575
2021	6.4811	36.1437	68.4851	0.1291	4.6568	2.0414	6.6982	1.2508	1.9160	3.1668	0.0000	11,036.6550	11,036.6550	1.5232	0.0000	11,068.6430
2022	5.9959	32.1348	66.9235	0.1291	4.6566	1.7866	6.4433	1.2507	1.6768	2.9275	0.0000	10,989.3469	10,989.3469	1.5116	0.0000	11,021.0899
2023	72.6191	29.4747	65.3641	0.1290	10.9861	1.6093	11.0832	2.7569	1.5092	2.8520	0.0000	10,943.4509	10,943.4509	1.4979	0.0000	10,974.9064
2024	72.5699	2.5437	16.6243	0.0401	10.9861	0.0878	11.0738	2.7569	0.0858	2.8426	0.0000	2,755.4887	2,755.4887	0.1809	0.0000	2,759.2873
Total	**190.9026**	**292.2500**	**522.5441**	**0.9444**	**49.9158**	**16.9306**	**65.3342**	**13.0196**	**15.9000**	**27.5055**	**0.0000**	**81,629.9665**	**81,629.9665**	**11.0385**	**0.0000**	**81,861.7739**

	ROG	NOx	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**	**15.97**	**0.00**	**0.00**	**10.10**	**0.00**	**7.43**	**10.03**	**0.00**	**4.47**	**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	26.7754	8.6800e-003	0.9578	7.0000e-005		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003		2.0583	2.0583	5.3500e-003		2.1707
Energy	0.1585	1.4407	1.2102	8.6400e-003		0.1095	0.1095		0.1095	0.1095		1,728.8316	1,728.8316	0.0331	0.0317	1,739.3530
Mobile	32.7524	53.0190	301.5888	0.6178	39.5034	1.1541	40.6575	10.5427	1.0639	11.6066		45,819.5673	45,819.5673	1.6756		45,854.7545
Total	**59.6863**	**54.4684**	**303.7567**	**0.6265**	**39.5034**	**1.2670**	**40.7704**	**10.5427**	**1.1768**	**11.7195**		**47,550.4572**	**47,550.4572**	**1.7141**	**0.0317**	**47,596.2782**

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	26.7754	8.6800e-003	0.9578	7.0000e-005		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003		2.0583	2.0583	5.3500e-003		2.1707
Energy	0.1585	1.4407	1.2102	8.6400e-003		0.1095	0.1095		0.1095	0.1095		1,728.8316	1,728.8316	0.0331	0.0317	1,739.3530
Mobile	32.7524	53.0190	301.5888	0.6178	39.5034	1.1541	40.6575	10.5427	1.0639	11.6066		45,819.5673	45,819.5673	1.6756		45,854.7545
Total	**59.6863**	**54.4684**	**303.7567**	**0.6265**	**39.5034**	**1.2670**	**40.7704**	**10.5427**	**1.1768**	**11.7195**		**47,550.4572**	**47,550.4572**	**1.7141**	**0.0317**	**47,596.2782**

	ROG	NOx	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	1/1/2017	3/10/2017	5	50	
2	Grading	Grading	3/11/2017	6/2/2017	5	60	
3	Building Construction	Building Construction	6/3/2017	7/21/2023	5	1600	
4	Paving	Paving	7/22/2023	12/22/2023	5	110	
5	Architectural Coating	Architectural Coating	12/23/2023	5/24/2024	5	110	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 29.11

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 845,640; Non-Residential Outdoor: 281,880 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40

Demolition	Rubber Tired Loaders	2	6.00	199	0.36
Demolition	Signal Boards	1	6.00	6	0.82
Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42
Grading	Plate Compactors	1	6.00	8	0.43
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45

Paving	Concrete/Industrial Saws	1	6.00	81	0.73
Paving	Graders	1	6.00	174	0.41
Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	1	6.00	6	0.82
Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	13	15.00	0.00	1,568.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	13	20.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	454.00	177.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	11	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	91.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	91.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	91.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	91.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.5944	0.0000	9.5944	1.4529	0.0000	1.4529			0.0000			0.0000
Off-Road	5.4701	58.2022	36.6142	0.0511		2.9725	2.9725		2.7540	2.7540		5,181.7649	5,181.7649	1.4831		5,212.9101
Total	**5.4701**	**58.2022**	**36.6142**	**0.0511**	**9.5944**	**2.9725**	**12.5669**	**1.4529**	**2.7540**	**4.2068**		**5,181.7649**	**5,181.7649**	**1.4831**		**5,212.9101**

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5201	6.2524	6.8836	0.0220	0.5491	0.1521	0.7012	0.1506	0.1399	0.2905		2,176.9982	2,176.9982	0.0119		2,177.2476
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0710	0.0763	0.8690	1.4600e-003	0.1255	8.0000e-004	0.1263	0.0333	7.4000e-004	0.0340		114.0590	114.0590	6.7100e-003		114.2000
Total	**0.5911**	**6.3287**	**7.7526**	**0.0234**	**0.6746**	**0.1529**	**0.8275**	**0.1839**	**0.1406**	**0.3245**		**2,291.0572**	**2,291.0572**	**0.0186**		**2,291.4476**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.7418	0.0000	3.7418	0.5666	0.0000	0.5666			0.0000			0.0000
Off-Road	5.4701	46.5617	36.6142	0.0511		2.9725	2.9725		2.7540	2.7540	0.0000	5,181.7649	5,181.7649	1.4831		5,212.9101
Total	**5.4701**	**46.5617**	**36.6142**	**0.0511**	**3.7418**	**2.9725**	**6.7143**	**0.5666**	**2.7540**	**3.3206**	**0.0000**	**5,181.7649**	**5,181.7649**	**1.4831**		**5,212.9101**

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5201	6.2524	6.8836	0.0220	0.5491	0.1521	0.7012	0.1506	0.1399	0.2905		2,176.9982	2,176.9982	0.0119		2,177.2476
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0710	0.0763	0.8690	1.4600e-003	0.1255	8.0000e-004	0.1263	0.0333	7.4000e-004	0.0340		114.0590	114.0590	6.7100e-003		114.2000
Total	**0.5911**	**6.3287**	**7.7526**	**0.0234**	**0.6746**	**0.1529**	**0.8275**	**0.1839**	**0.1406**	**0.3245**		**2,291.0572**	**2,291.0572**	**0.0186**		**2,291.4476**

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					5.1639	0.0000	5.1639	2.5583	0.0000	2.5583			0.0000			0.0000
Off-Road	5.7119	59.9930	38.6036	0.0500		3.2811	3.2811		3.0200	3.0200		5,092.1083	5,092.1083	1.5475		5,124.6054
Total	**5.7119**	**59.9930**	**38.6036**	**0.0500**	**5.1639**	**3.2811**	**8.4449**	**2.5583**	**3.0200**	**5.5783**		**5,092.1083**	**5,092.1083**	**1.5475**		**5,124.6054**

3.3 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3455	4.1537	4.5730	0.0146	0.3648	0.1011	0.4658	0.1000	0.0929	0.1930		1,446.2413	1,446.2413	7.8900e-003		1,446.4070
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0946	0.1017	1.1586	1.9500e-003	0.1673	1.0600e-003	0.1684	0.0444	9.8000e-004	0.0454		152.0786	152.0786	8.9500e-003		152.2666
Total	**0.4401**	**4.2554**	**5.7316**	**0.0165**	**0.5321**	**0.1021**	**0.6342**	**0.1444**	**0.0939**	**0.2383**		**1,598.3200**	**1,598.3200**	**0.0168**		**1,598.6737**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0139	0.0000	2.0139	0.9978	0.0000	0.9978			0.0000			0.0000
Off-Road	5.7119	47.9944	38.6036	0.0500		3.2811	3.2811		3.0200	3.0200	0.0000	5,092.1083	5,092.1083	1.5475		5,124.6054
Total	**5.7119**	**47.9944**	**38.6036**	**0.0500**	**2.0139**	**3.2811**	**5.2950**	**0.9978**	**3.0200**	**4.0178**	**0.0000**	**5,092.1083**	**5,092.1083**	**1.5475**		**5,124.6054**

3.3 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3455	4.1537	4.5730	0.0146	0.3648	0.1011	0.4658	0.1000	0.0929	0.1930		1,446.2413	1,446.2413	7.8900e-003		1,446.4070
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0946	0.1017	1.1586	1.9500e-003	0.1673	1.0600e-003	0.1684	0.0444	9.8000e-004	0.0454		152.0786	152.0786	8.9500e-003		152.2666
Total	**0.4401**	**4.2554**	**5.7316**	**0.0165**	**0.5321**	**0.1021**	**0.6342**	**0.1444**	**0.0939**	**0.2383**		**1,598.3200**	**1,598.3200**	**0.0168**		**1,598.6737**

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.0419	54.1797	35.7363	0.0561		3.2393	3.2393		3.0466	3.0466		5,547.5869	5,547.5869	1.4053		5,577.0987
Total	**6.0419**	**54.1797**	**35.7363**	**0.0561**		**3.2393**	**3.2393**		**3.0466**	**3.0466**		**5,547.5869**	**5,547.5869**	**1.4053**		**5,577.0987**

3.4 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.6178	11.0292	20.5737	0.0290	0.8597	0.2269	1.0866	0.2438	0.2086	0.4524		2,851.2532	2,851.2532	0.0182		2,851.6347
Worker	2.1479	2.3089	26.3005	0.0443	3.7985	0.0241	3.8226	1.0075	0.0223	1.0298		3,452.1852	3,452.1852	0.2032		3,456.4520
Total	**3.7657**	**13.3381**	**46.8743**	**0.0733**	**4.6582**	**0.2510**	**4.9092**	**1.2514**	**0.2308**	**1.4822**		**6,303.4384**	**6,303.4384**	**0.2214**		**6,308.0867**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.0419	43.3437	35.7363	0.0561		3.2393	3.2393		3.0466	3.0466	0.0000	5,547.5869	5,547.5869	1.4053		5,577.0987
Total	**6.0419**	**43.3437**	**35.7363**	**0.0561**		**3.2393**	**3.2393**		**3.0466**	**3.0466**	**0.0000**	**5,547.5869**	**5,547.5869**	**1.4053**		**5,577.0987**

3.4 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.6178	11.0292	20.5737	0.0290	0.8597	0.2269	1.0866	0.2438	0.2086	0.4524		2,851.2532	2,851.2532	0.0182		2,851.6347
Worker	2.1479	2.3089	26.3005	0.0443	3.7985	0.0241	3.8226	1.0075	0.0223	1.0298		3,452.1852	3,452.1852	0.2032		3,456.4520
Total	**3.7657**	**13.3381**	**46.8743**	**0.0733**	**4.6582**	**0.2510**	**4.9092**	**1.2514**	**0.2308**	**1.4822**		**6,303.4384**	**6,303.4384**	**0.2214**		**6,308.0867**

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1975	46.7291	34.7172	0.0561		2.7180	2.7180		2.5588	2.5588		5,483.4680	5,483.4680	1.3856		5,512.5659
Total	**5.1975**	**46.7291**	**34.7172**	**0.0561**		**2.7180**	**2.7180**		**2.5588**	**2.5588**		**5,483.4680**	**5,483.4680**	**1.3856**		**5,512.5659**

3.4 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.4408	10.0329	19.0185	0.0290	0.8592	0.2127	1.0719	0.2437	0.1956	0.4392		2,800.1435	2,800.1435	0.0178		2,800.5176
Worker	1.9417	2.1178	23.9020	0.0443	3.7985	0.0237	3.8222	1.0075	0.0220	1.0295		3,319.1360	3,319.1360	0.1896		3,323.1168
Total	**3.3824**	**12.1507**	**42.9204**	**0.0732**	**4.6577**	**0.2364**	**4.8941**	**1.2512**	**0.2175**	**1.4687**		**6,119.2795**	**6,119.2795**	**0.2074**		**6,123.6343**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1975	37.3833	34.7172	0.0561		2.7180	2.7180		2.5588	2.5588	0.0000	5,483.4680	5,483.4680	1.3856		5,512.5659
Total	**5.1975**	**37.3833**	**34.7172**	**0.0561**		**2.7180**	**2.7180**		**2.5588**	**2.5588**	**0.0000**	**5,483.4680**	**5,483.4680**	**1.3856**		**5,512.5659**

3.4 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.4408	10.0329	19.0185	0.0290	0.8592	0.2127	1.0719	0.2437	0.1956	0.4392		2,800.1435	2,800.1435	0.0178		2,800.5176
Worker	1.9417	2.1178	23.9020	0.0443	3.7985	0.0237	3.8222	1.0075	0.0220	1.0295		3,319.1360	3,319.1360	0.1896		3,323.1168
Total	**3.3824**	**12.1507**	**42.9204**	**0.0732**	**4.6577**	**0.2364**	**4.8941**	**1.2512**	**0.2175**	**1.4687**		**6,119.2795**	**6,119.2795**	**0.2074**		**6,123.6343**

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6769	42.3678	34.2182	0.0561		2.3969	2.3969		2.2555	2.2555		5,420.3343	5,420.3343	1.3678		5,449.0575
Total	**4.6769**	**42.3678**	**34.2182**	**0.0561**		**2.3969**	**2.3969**		**2.2555**	**2.2555**		**5,420.3343**	**5,420.3343**	**1.3678**		**5,449.0575**

3.4 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.3186	9.1830	17.9153	0.0289	0.8589	0.1975	1.0563	0.2435	0.1816	0.4251		2,750.1591	2,750.1591	0.0175		2,750.5259
Worker	1.7818	1.9569	22.0990	0.0442	3.7985	0.0238	3.8223	1.0075	0.0220	1.0295		3,194.7584	3,194.7584	0.1792		3,198.5210
Total	**3.1004**	**11.1399**	**40.0143**	**0.0731**	**4.6573**	**0.2212**	**4.8786**	**1.2510**	**0.2036**	**1.4547**		**5,944.9175**	**5,944.9175**	**0.1966**		**5,949.0469**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6769	33.8942	34.2182	0.0561		2.3969	2.3969		2.2555	2.2555	0.0000	5,420.3343	5,420.3343	1.3678		5,449.0575
Total	**4.6769**	**33.8942**	**34.2182**	**0.0561**		**2.3969**	**2.3969**		**2.2555**	**2.2555**	**0.0000**	**5,420.3343**	**5,420.3343**	**1.3678**		**5,449.0575**

3.4 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.3186	9.1830	17.9153	0.0289	0.8589	0.1975	1.0563	0.2435	0.1816	0.4251		2,750.1591	2,750.1591	0.0175		2,750.5259
Worker	1.7818	1.9569	22.0990	0.0442	3.7985	0.0238	3.8223	1.0075	0.0220	1.0295		3,194.7584	3,194.7584	0.1792		3,198.5210
Total	**3.1004**	**11.1399**	**40.0143**	**0.0731**	**4.6573**	**0.2212**	**4.8786**	**1.2510**	**0.2036**	**1.4547**		**5,944.9175**	**5,944.9175**	**0.1966**		**5,949.0469**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2890	38.8043	33.8459	0.0561		2.1414	2.1414		2.0139	2.0139		5,335.8439	5,335.8439	1.3533		5,364.2631
Total	**4.2890**	**38.8043**	**33.8459**	**0.0561**		**2.1414**	**2.1414**		**2.0139**	**2.0139**		**5,335.8439**	**5,335.8439**	**1.3533**		**5,364.2631**

3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1255	7.8268	16.1726	0.0288	0.8585	0.1776	1.0360	0.2433	0.1633	0.4067		2,684.9287	2,684.9287	0.0168		2,685.2811
Worker	1.6574	1.8331	20.6478	0.0442	3.7985	0.0238	3.8223	1.0075	0.0221	1.0296		3,065.2277	3,065.2277	0.1707		3,068.8132
Total	**2.7828**	**9.6598**	**36.8204**	**0.0730**	**4.6569**	**0.2014**	**4.8583**	**1.2508**	**0.1854**	**1.4363**		**5,750.1564**	**5,750.1564**	**0.1875**		**5,754.0944**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2890	31.0434	33.8459	0.0561		2.1414	2.1414		2.0139	2.0139	0.0000	5,335.8439	5,335.8439	1.3533		5,364.2631
Total	**4.2890**	**31.0434**	**33.8459**	**0.0561**		**2.1414**	**2.1414**		**2.0139**	**2.0139**	**0.0000**	**5,335.8439**	**5,335.8439**	**1.3533**		**5,364.2631**

3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1255	7.8268	16.1726	0.0288	0.8585	0.1776	1.0360	0.2433	0.1633	0.4067		2,684.9287	2,684.9287	0.0168		2,685.2811
Worker	1.6574	1.8331	20.6478	0.0442	3.7985	0.0238	3.8223	1.0075	0.0221	1.0296		3,065.2277	3,065.2277	0.1707		3,068.8132
Total	**2.7828**	**9.6598**	**36.8204**	**0.0730**	**4.6569**	**0.2014**	**4.8583**	**1.2508**	**0.1854**	**1.4363**		**5,750.1564**	**5,750.1564**	**0.1875**		**5,754.0944**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8712	34.9212	33.4769	0.0561		1.8627	1.8627		1.7514	1.7514		5,335.4696	5,335.4696	1.3404		5,363.6181
Total	**3.8712**	**34.9212**	**33.4769**	**0.0561**		**1.8627**	**1.8627**		**1.7514**	**1.7514**		**5,335.4696**	**5,335.4696**	**1.3404**		**5,363.6181**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0451	6.4677	15.3579	0.0287	0.8583	0.1546	1.0129	0.2433	0.1423	0.3855		2,681.2340	2,681.2340	0.0169		2,681.5892
Worker	1.5648	1.7390	19.6504	0.0443	3.7985	0.0241	3.8226	1.0075	0.0224	1.0299		3,019.9515	3,019.9515	0.1659		3,023.4356
Total	**2.6099**	**8.2067**	**35.0083**	**0.0730**	**4.6568**	**0.1787**	**4.8355**	**1.2508**	**0.1646**	**1.4154**		**5,701.1854**	**5,701.1854**	**0.1828**		**5,705.0249**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8712	27.9370	33.4769	0.0561		1.8627	1.8627		1.7514	1.7514	0.0000	5,335.4696	5,335.4696	1.3404		5,363.6181
Total	**3.8712**	**27.9370**	**33.4769**	**0.0561**		**1.8627**	**1.8627**		**1.7514**	**1.7514**	**0.0000**	**5,335.4696**	**5,335.4696**	**1.3404**		**5,363.6181**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0451	6.4677	15.3579	0.0287	0.8583	0.1546	1.0129	0.2433	0.1423	0.3855		2,681.2340	2,681.2340	0.0169		2,681.5892
Worker	1.5648	1.7390	19.6504	0.0443	3.7985	0.0241	3.8226	1.0075	0.0224	1.0299		3,019.9515	3,019.9515	0.1659		3,023.4356
Total	**2.6099**	**8.2067**	**35.0083**	**0.0730**	**4.6568**	**0.1787**	**4.8355**	**1.2508**	**0.1646**	**1.4154**		**5,701.1854**	**5,701.1854**	**0.1828**		**5,705.0249**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4938	30.8046	33.1368	0.0561		1.6103	1.6103		1.5143	1.5143		5,335.9879	5,335.9879	1.3331		5,363.9827
Total	**3.4938**	**30.8046**	**33.1368**	**0.0561**		**1.6103**	**1.6103**		**1.5143**	**1.5143**		**5,335.9879**	**5,335.9879**	**1.3331**		**5,363.9827**

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0149	5.8223	15.0848	0.0287	0.8582	0.1522	1.0103	0.2432	0.1400	0.3832		2,677.8302	2,677.8302	0.0172		2,678.1918
Worker	1.4873	1.6688	18.7019	0.0443	3.7985	0.0242	3.8227	1.0075	0.0225	1.0300		2,975.5289	2,975.5289	0.1613		2,978.9153
Total	**2.5021**	**7.4911**	**33.7867**	**0.0729**	**4.6566**	**0.1764**	**4.8330**	**1.2507**	**0.1624**	**1.4132**		**5,653.3591**	**5,653.3591**	**0.1785**		**5,657.1072**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4938	24.6437	33.1368	0.0561		1.6103	1.6103		1.5143	1.5143	0.0000	5,335.9878	5,335.9878	1.3331		5,363.9827
Total	**3.4938**	**24.6437**	**33.1368**	**0.0561**		**1.6103**	**1.6103**		**1.5143**	**1.5143**	**0.0000**	**5,335.9878**	**5,335.9878**	**1.3331**		**5,363.9827**

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0149	5.8223	15.0848	0.0287	0.8582	0.1522	1.0103	0.2432	0.1400	0.3832		2,677.8302	2,677.8302	0.0172		2,678.1918
Worker	1.4873	1.6688	18.7019	0.0443	3.7985	0.0242	3.8227	1.0075	0.0225	1.0300		2,975.5289	2,975.5289	0.1613		2,978.9153
Total	**2.5021**	**7.4911**	**33.7867**	**0.0729**	**4.6566**	**0.1764**	**4.8330**	**1.2507**	**0.1624**	**1.4132**		**5,653.3591**	**5,653.3591**	**0.1785**		**5,657.1072**

3.4 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	3.2647	28.3981	32.9798	0.0561		1.4389	1.4389		1.3523	1.3523		5,336.2173	5,336.2173	1.3244		5,364.0297
Total	**3.2647**	**28.3981**	**32.9798**	**0.0561**		**1.4389**	**1.4389**		**1.3523**	**1.3523**		**5,336.2173**	**5,336.2173**	**1.3244**		**5,364.0297**

3.4 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	0.9483	5.1459	14.5259	0.0286	0.8580	0.1461	1.0041	0.2431	0.1344	0.3775		2,671.1647	2,671.1647	0.0162		2,671.5046
Worker	1.4188	1.6103	17.8584	0.0442	3.7985	0.0243	3.8228	1.0075	0.0226	1.0301		2,936.0689	2,936.0689	0.1573		2,939.3721
Total	**2.3671**	**6.7562**	**32.3843**	**0.0729**	**4.6564**	**0.1704**	**4.8268**	**1.2506**	**0.1570**	**1.4076**		**5,607.2336**	**5,607.2336**	**0.1735**		**5,610.8767**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2647	22.7185	32.9798	0.0561		1.4389	1.4389		1.3523	1.3523	0.0000	5,336.2173	5,336.2173	1.3244		5,364.0297
Total	**3.2647**	**22.7185**	**32.9798**	**0.0561**		**1.4389**	**1.4389**		**1.3523**	**1.3523**	**0.0000**	**5,336.2173**	**5,336.2173**	**1.3244**		**5,364.0297**

3.4 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	0.9483	5.1459	14.5259	0.0286	0.8580	0.1461	1.0041	0.2431	0.1344	0.3775		2,671.1647	2,671.1647	0.0162		2,671.5046
Worker	1.4188	1.6103	17.8584	0.0442	3.7985	0.0243	3.8228	1.0075	0.0226	1.0301		2,936.0689	2,936.0689	0.1573		2,939.3721
Total	**2.3671**	**6.7562**	**32.3843**	**0.0729**	**4.6564**	**0.1704**	**4.8268**	**1.2506**	**0.1570**	**1.4076**		**5,607.2336**	**5,607.2336**	**0.1735**		**5,610.8767**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8425	17.1072	20.5363	0.0317		0.9012	0.9012		0.8382	0.8382		3,036.4718	3,036.4718	0.8464		3,054.2461
Paving	0.4042					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.2467**	**17.1072**	**20.5363**	**0.0317**		**0.9012**	**0.9012**		**0.8382**	**0.8382**		**3,036.4718**	**3,036.4718**	**0.8464**		**3,054.2461**

3.5 Paving - 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	0.0469	0.0532	0.5900	1.4600e-003	0.1255	8.0000e-004	0.1263	0.0333	7.5000e-004	0.0340		97.0067	97.0067	5.2000e-003		97.1158
Total	**0.0469**	**0.0532**	**0.5900**	**1.4600e-003**	**0.1255**	**8.0000e-004**	**0.1263**	**0.0333**	**7.5000e-004**	**0.0340**		**97.0067**	**97.0067**	**5.2000e-003**		**97.1158**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8425	13.6858	20.5363	0.0317		0.9012	0.9012		0.8382	0.8382	0.0000	3,036.4718	3,036.4718	0.8464		3,054.2461
Paving	0.4042					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.2467**	**13.6858**	**20.5363**	**0.0317**		**0.9012**	**0.9012**		**0.8382**	**0.8382**	**0.0000**	**3,036.4718**	**3,036.4718**	**0.8464**		**3,054.2461**

3.5 Paving - 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	0.0469	0.0532	0.5900	1.4600e-003	0.1255	8.0000e-004	0.1263	0.0333	7.5000e-004	0.0340		97.0067	97.0067	5.2000e-003		97.1158
Total	**0.0469**	**0.0532**	**0.5900**	**1.4600e-003**	**0.1255**	**8.0000e-004**	**0.1263**	**0.0333**	**7.5000e-004**	**0.0340**		**97.0067**	**97.0067**	**5.2000e-003**		**97.1158**

3.6 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	71.2644					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2172	1.6966	2.6171	4.2100e-003		0.0776	0.0776		0.0771	0.0771		401.4770	401.4770	0.0557		402.6458
Total	**71.4816**	**1.6966**	**2.6171**	**4.2100e-003**		**0.0776**	**0.0776**		**0.0771**	**0.0771**		**401.4770**	**401.4770**	**0.0557**		**402.6458**

3.6 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	1.1375	1.2911	14.3182	0.0355	10.9861	0.0195	11.0056	2.7569	0.0181	2.7749		2,354.0288	2,354.0288	0.1261		2,356.6772
Total	**1.1375**	**1.2911**	**14.3182**	**0.0355**	**10.9861**	**0.0195**	**11.0056**	**2.7569**	**0.0181**	**2.7749**		**2,354.0288**	**2,354.0288**	**0.1261**		**2,356.6772**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	71.2644					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2172	1.3573	2.6171	4.2100e-003		0.0776	0.0776		0.0771	0.0771	0.0000	401.4770	401.4770	0.0557		402.6458
Total	**71.4816**	**1.3573**	**2.6171**	**4.2100e-003**		**0.0776**	**0.0776**		**0.0771**	**0.0771**	**0.0000**	**401.4770**	**401.4770**	**0.0557**		**402.6458**

3.6 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	1.1375	1.2911	14.3182	0.0355	10.9861	0.0195	11.0056	2.7569	0.0181	2.7749		2,354.0288	2,354.0288	0.1261		2,356.6772
Total	**1.1375**	**1.2911**	**14.3182**	**0.0355**	**10.9861**	**0.0195**	**11.0056**	**2.7569**	**0.0181**	**2.7749**		**2,354.0288**	**2,354.0288**	**0.1261**		**2,356.6772**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	71.2644					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2063	1.6073	2.6167	4.2100e-003		0.0677	0.0677		0.0671	0.0671		401.4770	401.4770	0.0547		402.6250
Total	**71.4707**	**1.6073**	**2.6167**	**4.2100e-003**		**0.0677**	**0.0677**		**0.0671**	**0.0671**		**401.4770**	**401.4770**	**0.0547**		**402.6250**

3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.0992	1.2579	14.0076	0.0359	10.9861	0.0201	11.0062	2.7569	0.0187	2.7755		2,354.0117	2,354.0117	0.1262		2,356.6623
Total	**1.0992**	**1.2579**	**14.0076**	**0.0359**	**10.9861**	**0.0201**	**11.0062**	**2.7569**	**0.0187**	**2.7755**		**2,354.0117**	**2,354.0117**	**0.1262**		**2,356.6623**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	71.2644					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2063	1.2858	2.6167	4.2100e-003		0.0677	0.0677		0.0671	0.0671	0.0000	401.4770	401.4770	0.0547		402.6250
Total	**71.4707**	**1.2858**	**2.6167**	**4.2100e-003**		**0.0677**	**0.0677**		**0.0671**	**0.0671**	**0.0000**	**401.4770**	**401.4770**	**0.0547**		**402.6250**

3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.0992	1.2579	14.0076	0.0359	10.9861	0.0201	11.0062	2.7569	0.0187	2.7755		2,354.0117	2,354.0117	0.1262		2,356.6623
Total	**1.0992**	**1.2579**	**14.0076**	**0.0359**	**10.9861**	**0.0201**	**11.0062**	**2.7569**	**0.0187**	**2.7755**		**2,354.0117**	**2,354.0117**	**0.1262**		**2,356.6623**

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	32.7524	53.0190	301.5888	0.6178	39.5034	1.1541	40.6575	10.5427	1.0639	11.6066		45,819.5673	45,819.5673	1.6756		45,854.7545
Unmitigated	32.7524	53.0190	301.5888	0.6178	39.5034	1.1541	40.6575	10.5427	1.0639	11.6066		45,819.5673	45,819.5673	1.6756		45,854.7545

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	9,648.00	3,376.80	321.60	12,134,005	12,134,005
Library	1,639.80	1,396.50	764.70	2,547,548	2,547,548
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	11,287.80	4,773.30	1,086.30	14,681,553	14,681,553

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
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1
Library	12.50	4.20	5.40	52.00	43.00	5.00	44	44	12
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Parking Lot	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.467876	0.065956	0.172405	0.161468	0.036746	0.005953	0.010744	0.069773	0.001331	0.001228	0.003449	0.000500	0.002571

4.4 Fleet Mix

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	0.1585	1.4407	1.2102	8.6400e-003		0.1095	0.1095		0.1095	0.1095		1,728.8316	1,728.8316	0.0331	0.0317	1,739.3530
NaturalGas Unmitigated	0.1585	1.4407	1.2102	8.6400e-003		0.1095	0.1095		0.1095	0.1095		1,728.8316	1,728.8316	0.0331	0.0317	1,739.3530

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					
Junior College (2Yr)	11958.9	0.1290	1.1724	0.9849	7.0300e-003		0.0891	0.0891		0.0891	0.0891		1,406.9299	1,406.9299	0.0270	0.0258	1,415.4922
Library	2736.16	0.0295	0.2683	0.2253	1.6100e-003		0.0204	0.0204		0.0204	0.0204		321.9017	321.9017	6.1700e-003	5.9000e-003	323.8607
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1585**	**1.4407**	**1.2102**	**8.6400e-003**		**0.1095**	**0.1095**		**0.1095**	**0.1095**		**1,728.8316**	**1,728.8316**	**0.0331**	**0.0317**	**1,739.3530**

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					
Library	2.73616	0.0295	0.2683	0.2253	1.6100e-003		0.0204	0.0204		0.0204	0.0204		321.9017	321.9017	6.1700e-003	5.9000e-003	323.8607
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	11.9589	0.1290	1.1724	0.9849	7.0300e-003		0.0891	0.0891		0.0891	0.0891		1,406.9299	1,406.9299	0.0270	0.0258	1,415.4922
Total		**0.1585**	**1.4407**	**1.2102**	**8.6400e-003**		**0.1095**	**0.1095**		**0.1095**	**0.1095**		**1,728.8316**	**1,728.8316**	**0.0331**	**0.0317**	**1,739.3530**

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	26.7754	8.6800e-003	0.9578	7.0000e-005		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003		2.0583	2.0583	5.3500e-003		2.1707
Unmitigated	26.7754	8.6800e-003	0.9578	7.0000e-005		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003		2.0583	2.0583	5.3500e-003		2.1707

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.5795					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	23.1077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0882	8.6800e-003	0.9578	7.0000e-005		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003		2.0583	2.0583	5.3500e-003		2.1707
Total	**26.7754**	**8.6800e-003**	**0.9578**	**7.0000e-005**		**3.4000e-003**	**3.4000e-003**		**3.4000e-003**	**3.4000e-003**		**2.0583**	**2.0583**	**5.3500e-003**		**2.1707**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.5795					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	23.1077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0882	8.6800e-003	0.9578	7.0000e-005		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003		2.0583	2.0583	5.3500e-003		2.1707
Total	**26.7754**	**8.6800e-003**	**0.9578**	**7.0000e-005**		**3.4000e-003**	**3.4000e-003**		**3.4000e-003**	**3.4000e-003**		**2.0583**	**2.0583**	**5.3500e-003**		**2.1707**

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 Vegetation

College of the Desert, West Valley Campus Buildout

Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	8,040.00	Student	11.45	300,000.00	0
Library	30.00	1000sqft	0.69	30,000.00	0
Other Asphalt Surfaces	5.00	Acre	5.00	217,800.00	0
Parking Lot	1,330.00	Space	11.97	532,000.00	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)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Buildout of the COD West Valley Campus, Palm Springs California.

Land Use - Includes demolition of the existing mall, construction of 300,000 sf of College space (incl. conference center and retail), 30,000 SF Library and 1,330 parking reconfiguired parking spaces and internal streets.

Construction Phase - Assumes a 8 year buildout for AQ analysis purposes (buildout at 2025). Actual development will likely occur gradually with full buildout closer to 2030.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT - Hauling trips based on demo estimate from Demo Unlimited Inc. plus the additional 33 trips for 500 tons of concrete debris.

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition - Demolition material assumptions based on info provided by Demo Unlimted Inc., assumes 650 loads (12 tons ea) const. mat. and 885 loads (15 tons ea) concrete. Additional 500 tons of concrete added for conservative measure. See DEIR.

Grading - Material import assumptions provided by MSA Consulting. Additional 10,000 import was provided for conservative measure. Assumptions further discussed in EIR.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Trip rate was adjusted to reflect results of Traffic Report. Library = 1,640 daily trips: [30 (1,000s) SF x 54.66]

Road Dust - All roads are paved.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Woodstoves -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstructionPhase	NumDays	35.00	110.00
tblConstructionPhase	NumDays	440.00	1,600.00
tblConstructionPhase	NumDays	30.00	50.00
tblConstructionPhase	NumDays	45.00	60.00
tblConstructionPhase	NumDays	35.00	110.00
tblGrading	AcresOfGrading	90.00	29.11
tblGrading	MaterialImported	0.00	40,000.00
tblLandUse	LandUseSquareFeet	350,963.99	300,000.00
tblLandUse	LotAcreage	8.06	11.45
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	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
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	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	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
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblRoadDust	RoadPercentPave	50	100
tblTripsAndVMT	HaulingTripNumber	2,133.00	1,568.00
tblTripsAndVMT	HaulingTripNumber	5,000.00	1,250.00
tblTripsAndVMT	WorkerTripNumber	33.00	15.00
tblTripsAndVMT	WorkerTripNumber	33.00	20.00
tblTripsAndVMT	WorkerTripNumber	28.00	15.00
tblVehicleTrips	WD_TR	56.24	54.66

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					
2017	9.4439	68.4120	83.4084	0.1259	10.2690	3.4934	13.3947	2.7028	3.2803	5.8169	0.0000	11,568.6380	11,568.6380	1.6276	0.0000	11,602.8168
2018	8.2414	59.6749	78.8939	0.1258	4.6577	2.9572	7.6149	1.2512	2.7789	4.0301	0.0000	11,330.0631	11,330.0631	1.5939	0.0000	11,363.5349
2019	7.4643	54.2193	75.7635	0.1257	4.6573	2.6206	7.2780	1.2510	2.4615	3.7125	0.0000	11,101.6424	11,101.6424	1.5653	0.0000	11,134.5142
2020	6.7743	49.0685	72.6245	0.1256	4.6569	2.3448	7.0018	1.2508	2.2012	3.4521	0.0000	10,832.0488	10,832.0488	1.5418	0.0000	10,864.4256
2021	6.2028	43.6440	70.6340	0.1256	4.6568	2.0432	6.7000	1.2508	1.9176	3.1684	0.0000	10,786.0198	10,786.0198	1.5242	0.0000	10,818.0282
2022	5.7375	38.7678	69.1260	0.1256	4.6566	1.7883	6.4450	1.2507	1.6783	2.9290	0.0000	10,741.8530	10,741.8530	1.5126	0.0000	10,773.6169
2023	72.3441	35.5660	67.4737	0.1255	10.9861	1.6105	11.0832	2.7569	1.5103	2.8520	0.0000	10,698.6172	10,698.6172	1.4989	0.0000	10,730.0934
2024	72.3089	2.9936	14.0864	0.0374	10.9861	0.0878	11.0738	2.7569	0.0858	2.8426	0.0000	2,583.5301	2,583.5301	0.1809	0.0000	2,587.3287
Total	**188.5171**	**352.3461**	**532.0103**	**0.9170**	**55.5266**	**16.9457**	**70.5913**	**14.4710**	**15.9139**	**28.8035**	**0.0000**	**79,642.4124**	**79,642.4124**	**11.0450**	**0.0000**	**79,874.3587**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	9.4439	57.5761	83.4084	0.1259	4.6582	3.4934	8.1515	1.2514	3.2803	4.5316	0.0000	11,568.6380	11,568.6380	1.6276	0.0000	11,602.8168
2018	8.2414	50.3291	78.8939	0.1258	4.6577	2.9572	7.6149	1.2512	2.7789	4.0301	0.0000	11,330.0631	11,330.0631	1.5939	0.0000	11,363.5349
2019	7.4643	45.7457	75.7635	0.1257	4.6573	2.6206	7.2780	1.2510	2.4615	3.7125	0.0000	11,101.6424	11,101.6424	1.5653	0.0000	11,134.5142
2020	6.7743	41.3077	72.6245	0.1256	4.6569	2.3448	7.0018	1.2508	2.2012	3.4521	0.0000	10,832.0488	10,832.0488	1.5418	0.0000	10,864.4256
2021	6.2028	36.6597	70.6340	0.1256	4.6568	2.0432	6.7000	1.2508	1.9176	3.1684	0.0000	10,786.0198	10,786.0198	1.5242	0.0000	10,818.0281
2022	5.7375	32.6069	69.1260	0.1256	4.6566	1.7883	6.4450	1.2507	1.6783	2.9290	0.0000	10,741.8530	10,741.8530	1.5126	0.0000	10,773.6169
2023	72.3441	29.8864	67.4737	0.1255	10.9861	1.6105	11.0832	2.7569	1.5103	2.8520	0.0000	10,698.6172	10,698.6172	1.4989	0.0000	10,730.0934
2024	72.3089	2.6722	14.0864	0.0374	10.9861	0.0878	11.0738	2.7569	0.0858	2.8426	0.0000	2,583.5301	2,583.5301	0.1809	0.0000	2,587.3287
Total	**188.5171**	**296.7837**	**532.0103**	**0.9170**	**49.9158**	**16.9457**	**65.3481**	**13.0196**	**15.9139**	**27.5183**	**0.0000**	**79,642.4124**	**79,642.4124**	**11.0450**	**0.0000**	**79,874.3586**

	ROG	NOx	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**	**15.77**	**0.00**	**0.00**	**10.10**	**0.00**	**7.43**	**10.03**	**0.00**	**4.46**	**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	26.7754	8.6800e-003	0.9578	7.0000e-005		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003		2.0583	2.0583	5.3500e-003		2.1707
Energy	0.1585	1.4407	1.2102	8.6400e-003		0.1095	0.1095		0.1095	0.1095		1,728.8316	1,728.8316	0.0331	0.0317	1,739.3530
Mobile	27.0128	56.7704	319.1051	0.5853	39.5034	1.1609	40.6643	10.5427	1.0702	11.6129		43,595.0751	43,595.0751	1.6828		43,630.4143
Total	**53.9467**	**58.2198**	**321.2731**	**0.5940**	**39.5034**	**1.2738**	**40.7772**	**10.5427**	**1.1830**	**11.7258**		**45,325.9650**	**45,325.9650**	**1.7213**	**0.0317**	**45,371.9380**

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	26.7754	8.6800e-003	0.9578	7.0000e-005		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003		2.0583	2.0583	5.3500e-003		2.1707
Energy	0.1585	1.4407	1.2102	8.6400e-003		0.1095	0.1095		0.1095	0.1095		1,728.8316	1,728.8316	0.0331	0.0317	1,739.3530
Mobile	27.0128	56.7704	319.1051	0.5853	39.5034	1.1609	40.6643	10.5427	1.0702	11.6129		43,595.0751	43,595.0751	1.6828		43,630.4143
Total	**53.9467**	**58.2198**	**321.2731**	**0.5940**	**39.5034**	**1.2738**	**40.7772**	**10.5427**	**1.1830**	**11.7258**		**45,325.9650**	**45,325.9650**	**1.7213**	**0.0317**	**45,371.9380**

	ROG	NOx	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	1/1/2017	3/10/2017	5	50	
2	Grading	Grading	3/11/2017	6/2/2017	5	60	
3	Building Construction	Building Construction	6/3/2017	7/21/2023	5	1600	
4	Paving	Paving	7/22/2023	12/22/2023	5	110	
5	Architectural Coating	Architectural Coating	12/23/2023	5/24/2024	5	110	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 29.11

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 845,640; Non-Residential Outdoor: 281,880 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40

Demolition	Rubber Tired Loaders	2	6.00	199	0.36
Demolition	Signal Boards	1	6.00	6	0.82
Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42
Grading	Plate Compactors	1	6.00	8	0.43
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45

Paving	Concrete/Industrial Saws	1	6.00	81	0.73
Paving	Graders	1	6.00	174	0.41
Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	1	6.00	6	0.82
Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	13	15.00	0.00	1,568.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	13	20.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	454.00	177.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	11	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	91.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	91.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	91.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	91.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.5944	0.0000	9.5944	1.4529	0.0000	1.4529			0.0000			0.0000
Off-Road	5.4701	58.2022	36.6142	0.0511		2.9725	2.9725		2.7540	2.7540		5,181.7649	5,181.7649	1.4831		5,212.9101
Total	**5.4701**	**58.2022**	**36.6142**	**0.0511**	**9.5944**	**2.9725**	**12.5669**	**1.4529**	**2.7540**	**4.2068**		**5,181.7649**	**5,181.7649**	**1.4831**		**5,212.9101**

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5653	6.7516	8.2630	0.0219	0.5491	0.1524	0.7015	0.1506	0.1402	0.2907		2,171.5421	2,171.5421	0.0121		2,171.7966
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0530	0.0846	0.7169	1.3500e-003	0.1255	8.0000e-004	0.1263	0.0333	7.4000e-004	0.0340		105.7791	105.7791	6.7100e-003		105.9201
Total	**0.6183**	**6.8361**	**8.9800**	**0.0233**	**0.6746**	**0.1532**	**0.8278**	**0.1839**	**0.1409**	**0.3248**		**2,277.3213**	**2,277.3213**	**0.0188**		**2,277.7167**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.7418	0.0000	3.7418	0.5666	0.0000	0.5666			0.0000			0.0000
Off-Road	5.4701	46.5617	36.6142	0.0511		2.9725	2.9725		2.7540	2.7540	0.0000	5,181.7649	5,181.7649	1.4831		5,212.9101
Total	**5.4701**	**46.5617**	**36.6142**	**0.0511**	**3.7418**	**2.9725**	**6.7143**	**0.5666**	**2.7540**	**3.3206**	**0.0000**	**5,181.7649**	**5,181.7649**	**1.4831**		**5,212.9101**

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5653	6.7516	8.2630	0.0219	0.5491	0.1524	0.7015	0.1506	0.1402	0.2907		2,171.5421	2,171.5421	0.0121		2,171.7966
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0530	0.0846	0.7169	1.3500e-003	0.1255	8.0000e-004	0.1263	0.0333	7.4000e-004	0.0340		105.7791	105.7791	6.7100e-003		105.9201
Total	**0.6183**	**6.8361**	**8.9800**	**0.0233**	**0.6746**	**0.1532**	**0.8278**	**0.1839**	**0.1409**	**0.3248**		**2,277.3213**	**2,277.3213**	**0.0188**		**2,277.7167**

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					5.1639	0.0000	5.1639	2.5583	0.0000	2.5583			0.0000			0.0000
Off-Road	5.7119	59.9930	38.6036	0.0500		3.2811	3.2811		3.0200	3.0200		5,092.1083	5,092.1083	1.5475		5,124.6054
Total	**5.7119**	**59.9930**	**38.6036**	**0.0500**	**5.1639**	**3.2811**	**8.4449**	**2.5583**	**3.0200**	**5.5783**		**5,092.1083**	**5,092.1083**	**1.5475**		**5,124.6054**

3.3 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3755	4.4852	5.4894	0.0146	0.3648	0.1012	0.4660	0.1000	0.0931	0.1932		1,442.6167	1,442.6167	8.0500e-003		1,442.7858
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.1128	0.9559	1.8100e-003	0.1673	1.0600e-003	0.1684	0.0444	9.8000e-004	0.0454		141.0388	141.0388	8.9500e-003		141.2268
Total	**0.4462**	**4.5980**	**6.4453**	**0.0164**	**0.5321**	**0.1023**	**0.6344**	**0.1444**	**0.0941**	**0.2385**		**1,583.6556**	**1,583.6556**	**0.0170**		**1,584.0126**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0139	0.0000	2.0139	0.9978	0.0000	0.9978			0.0000			0.0000
Off-Road	5.7119	47.9944	38.6036	0.0500		3.2811	3.2811		3.0200	3.0200	0.0000	5,092.1083	5,092.1083	1.5475		5,124.6054
Total	**5.7119**	**47.9944**	**38.6036**	**0.0500**	**2.0139**	**3.2811**	**5.2950**	**0.9978**	**3.0200**	**4.0178**	**0.0000**	**5,092.1083**	**5,092.1083**	**1.5475**		**5,124.6054**

3.3 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3755	4.4852	5.4894	0.0146	0.3648	0.1012	0.4660	0.1000	0.0931	0.1932		1,442.6167	1,442.6167	8.0500e-003		1,442.7858
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.1128	0.9559	1.8100e-003	0.1673	1.0600e-003	0.1684	0.0444	9.8000e-004	0.0454		141.0388	141.0388	8.9500e-003		141.2268
Total	**0.4462**	**4.5980**	**6.4453**	**0.0164**	**0.5321**	**0.1023**	**0.6344**	**0.1444**	**0.0941**	**0.2385**		**1,583.6556**	**1,583.6556**	**0.0170**		**1,584.0126**

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.0419	54.1797	35.7363	0.0561		3.2393	3.2393		3.0466	3.0466		5,547.5869	5,547.5869	1.4053		5,577.0987
Total	**6.0419**	**54.1797**	**35.7363**	**0.0561**		**3.2393**	**3.2393**		**3.0466**	**3.0466**		**5,547.5869**	**5,547.5869**	**1.4053**		**5,577.0987**

3.4 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.7977	11.6722	25.9731	0.0288	0.8597	0.2299	1.0896	0.2438	0.2114	0.4552		2,819.4694	2,819.4694	0.0191		2,819.8696
Worker	1.6043	2.5601	21.6990	0.0410	3.7985	0.0241	3.8226	1.0075	0.0223	1.0298		3,201.5817	3,201.5817	0.2032		3,205.8485
Total	**3.4020**	**14.2323**	**47.6721**	**0.0698**	**4.6582**	**0.2541**	**4.9122**	**1.2514**	**0.2337**	**1.4850**		**6,021.0511**	**6,021.0511**	**0.2222**		**6,025.7181**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.0419	43.3437	35.7363	0.0561		3.2393	3.2393		3.0466	3.0466	0.0000	5,547.5869	5,547.5869	1.4053		5,577.0987
Total	**6.0419**	**43.3437**	**35.7363**	**0.0561**		**3.2393**	**3.2393**		**3.0466**	**3.0466**	**0.0000**	**5,547.5869**	**5,547.5869**	**1.4053**		**5,577.0987**

3.4 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.7977	11.6722	25.9731	0.0288	0.8597	0.2299	1.0896	0.2438	0.2114	0.4552		2,819.4694	2,819.4694	0.0191		2,819.8696
Worker	1.6043	2.5601	21.6990	0.0410	3.7985	0.0241	3.8226	1.0075	0.0223	1.0298		3,201.5817	3,201.5817	0.2032		3,205.8485
Total	**3.4020**	**14.2323**	**47.6721**	**0.0698**	**4.6582**	**0.2541**	**4.9122**	**1.2514**	**0.2337**	**1.4850**		**6,021.0511**	**6,021.0511**	**0.2222**		**6,025.7181**

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1975	46.7291	34.7172	0.0561		2.7180	2.7180		2.5588	2.5588		5,483.4680	5,483.4680	1.3856		5,512.5659
Total	**5.1975**	**46.7291**	**34.7172**	**0.0561**		**2.7180**	**2.7180**		**2.5588**	**2.5588**		**5,483.4680**	**5,483.4680**	**1.3856**		**5,512.5659**

3.4 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.5997	10.6014	24.4931	0.0287	0.8592	0.2154	1.0747	0.2437	0.1981	0.4418		2,768.8113	2,768.8113	0.0187		2,769.2044
Worker	1.4443	2.3443	19.6836	0.0410	3.7985	0.0237	3.8222	1.0075	0.0220	1.0295		3,077.7839	3,077.7839	0.1896		3,081.7646
Total	**3.0439**	**12.9458**	**44.1767**	**0.0697**	**4.6577**	**0.2392**	**4.8969**	**1.2512**	**0.2201**	**1.4713**		**5,846.5951**	**5,846.5951**	**0.2083**		**5,850.9690**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1975	37.3833	34.7172	0.0561		2.7180	2.7180		2.5588	2.5588	0.0000	5,483.4680	5,483.4680	1.3856		5,512.5659
Total	**5.1975**	**37.3833**	**34.7172**	**0.0561**		**2.7180**	**2.7180**		**2.5588**	**2.5588**	**0.0000**	**5,483.4680**	**5,483.4680**	**1.3856**		**5,512.5659**

3.4 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.5997	10.6014	24.4931	0.0287	0.8592	0.2154	1.0747	0.2437	0.1981	0.4418		2,768.8113	2,768.8113	0.0187		2,769.2044
Worker	1.4443	2.3443	19.6836	0.0410	3.7985	0.0237	3.8222	1.0075	0.0220	1.0295		3,077.7839	3,077.7839	0.1896		3,081.7646
Total	**3.0439**	**12.9458**	**44.1767**	**0.0697**	**4.6577**	**0.2392**	**4.8969**	**1.2512**	**0.2201**	**1.4713**		**5,846.5951**	**5,846.5951**	**0.2083**		**5,850.9690**

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6769	42.3678	34.2182	0.0561		2.3969	2.3969		2.2555	2.2555		5,420.3343	5,420.3343	1.3678		5,449.0575
Total	**4.6769**	**42.3678**	**34.2182**	**0.0561**		**2.3969**	**2.3969**		**2.2555**	**2.2555**		**5,420.3343**	**5,420.3343**	**1.3678**		**5,449.0575**

3.4 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.4628	9.6877	23.3793	0.0286	0.8589	0.2000	1.0589	0.2435	0.1839	0.4274		2,719.2786	2,719.2786	0.0184		2,719.6648
Worker	1.3246	2.1638	18.1659	0.0409	3.7985	0.0238	3.8223	1.0075	0.0220	1.0295		2,962.0295	2,962.0295	0.1792		2,965.7920
Total	**2.7874**	**11.8515**	**41.5453**	**0.0696**	**4.6573**	**0.2238**	**4.8811**	**1.2510**	**0.2060**	**1.4570**		**5,681.3081**	**5,681.3081**	**0.1976**		**5,685.4568**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6769	33.8942	34.2182	0.0561		2.3969	2.3969		2.2555	2.2555	0.0000	5,420.3343	5,420.3343	1.3678		5,449.0575
Total	**4.6769**	**33.8942**	**34.2182**	**0.0561**		**2.3969**	**2.3969**		**2.2555**	**2.2555**	**0.0000**	**5,420.3343**	**5,420.3343**	**1.3678**		**5,449.0575**

3.4 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.4628	9.6877	23.3793	0.0286	0.8589	0.2000	1.0589	0.2435	0.1839	0.4274		2,719.2786	2,719.2786	0.0184		2,719.6648
Worker	1.3246	2.1638	18.1659	0.0409	3.7985	0.0238	3.8223	1.0075	0.0220	1.0295		2,962.0295	2,962.0295	0.1792		2,965.7920
Total	**2.7874**	**11.8515**	**41.5453**	**0.0696**	**4.6573**	**0.2238**	**4.8811**	**1.2510**	**0.2060**	**1.4570**		**5,681.3081**	**5,681.3081**	**0.1976**		**5,685.4568**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2890	38.8043	33.8459	0.0561		2.1414	2.1414		2.0139	2.0139		5,335.8439	5,335.8439	1.3533		5,364.2631
Total	**4.2890**	**38.8043**	**33.8459**	**0.0561**		**2.1414**	**2.1414**		**2.0139**	**2.0139**		**5,335.8439**	**5,335.8439**	**1.3533**		**5,364.2631**

3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2491	8.2387	21.8219	0.0286	0.8585	0.1797	1.0381	0.2433	0.1653	0.4086		2,654.6296	2,654.6296	0.0177		2,655.0017
Worker	1.2362	2.0256	16.9566	0.0409	3.7985	0.0238	3.8223	1.0075	0.0221	1.0296		2,841.5753	2,841.5753	0.1707		2,845.1608
Total	**2.4854**	**10.2642**	**38.7786**	**0.0695**	**4.6569**	**0.2035**	**4.8604**	**1.2508**	**0.1873**	**1.4382**		**5,496.2048**	**5,496.2048**	**0.1885**		**5,500.1625**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2890	31.0434	33.8459	0.0561		2.1414	2.1414		2.0139	2.0139	0.0000	5,335.8439	5,335.8439	1.3533		5,364.2631
Total	**4.2890**	**31.0434**	**33.8459**	**0.0561**		**2.1414**	**2.1414**		**2.0139**	**2.0139**	**0.0000**	**5,335.8439**	**5,335.8439**	**1.3533**		**5,364.2631**

3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2491	8.2387	21.8219	0.0286	0.8585	0.1797	1.0381	0.2433	0.1653	0.4086		2,654.6296	2,654.6296	0.0177		2,655.0017
Worker	1.2362	2.0256	16.9566	0.0409	3.7985	0.0238	3.8223	1.0075	0.0221	1.0296		2,841.5753	2,841.5753	0.1707		2,845.1608
Total	**2.4854**	**10.2642**	**38.7786**	**0.0695**	**4.6569**	**0.2035**	**4.8604**	**1.2508**	**0.1873**	**1.4382**		**5,496.2048**	**5,496.2048**	**0.1885**		**5,500.1625**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8712	34.9212	33.4769	0.0561		1.8627	1.8627		1.7514	1.7514		5,335.4696	5,335.4696	1.3404		5,363.6181
Total	**3.8712**	**34.9212**	**33.4769**	**0.0561**		**1.8627**	**1.8627**		**1.7514**	**1.7514**		**5,335.4696**	**5,335.4696**	**1.3404**		**5,363.6181**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1586	6.8027	21.0390	0.0285	0.8583	0.1564	1.0147	0.2433	0.1439	0.3871		2,650.9204	2,650.9204	0.0179		2,651.2960
Worker	1.1729	1.9200	16.1181	0.0410	3.7985	0.0241	3.8226	1.0075	0.0224	1.0299		2,799.6298	2,799.6298	0.1659		2,803.1140
Total	**2.3316**	**8.7228**	**37.1571**	**0.0695**	**4.6568**	**0.1805**	**4.8373**	**1.2508**	**0.1662**	**1.4170**		**5,450.5502**	**5,450.5502**	**0.1838**		**5,454.4100**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8712	27.9370	33.4769	0.0561		1.8627	1.8627		1.7514	1.7514	0.0000	5,335.4696	5,335.4696	1.3404		5,363.6181
Total	**3.8712**	**27.9370**	**33.4769**	**0.0561**		**1.8627**	**1.8627**		**1.7514**	**1.7514**	**0.0000**	**5,335.4696**	**5,335.4696**	**1.3404**		**5,363.6181**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1586	6.8027	21.0390	0.0285	0.8583	0.1564	1.0147	0.2433	0.1439	0.3871		2,650.9204	2,650.9204	0.0179		2,651.2960
Worker	1.1729	1.9200	16.1181	0.0410	3.7985	0.0241	3.8226	1.0075	0.0224	1.0299		2,799.6298	2,799.6298	0.1659		2,803.1140
Total	**2.3316**	**8.7228**	**37.1571**	**0.0695**	**4.6568**	**0.1805**	**4.8373**	**1.2508**	**0.1662**	**1.4170**		**5,450.5502**	**5,450.5502**	**0.1838**		**5,454.4100**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4938	30.8046	33.1368	0.0561		1.6103	1.6103		1.5143	1.5143		5,335.9879	5,335.9879	1.3331		5,363.9827
Total	**3.4938**	**30.8046**	**33.1368**	**0.0561**		**1.6103**	**1.6103**		**1.5143**	**1.5143**		**5,335.9879**	**5,335.9879**	**1.3331**		**5,363.9827**

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1226	6.1218	20.6540	0.0285	0.8582	0.1538	1.0120	0.2432	0.1415	0.3847		2,647.5336	2,647.5336	0.0182		2,647.9163
Worker	1.1211	1.8414	15.3352	0.0410	3.7985	0.0242	3.8227	1.0075	0.0225	1.0300		2,758.3315	2,758.3315	0.1613		2,761.7180
Total	**2.2437**	**7.9632**	**35.9892**	**0.0694**	**4.6566**	**0.1781**	**4.8347**	**1.2507**	**0.1640**	**1.4147**		**5,405.8651**	**5,405.8651**	**0.1795**		**5,409.6342**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4938	24.6437	33.1368	0.0561		1.6103	1.6103		1.5143	1.5143	0.0000	5,335.9878	5,335.9878	1.3331		5,363.9827
Total	**3.4938**	**24.6437**	**33.1368**	**0.0561**		**1.6103**	**1.6103**		**1.5143**	**1.5143**	**0.0000**	**5,335.9878**	**5,335.9878**	**1.3331**		**5,363.9827**

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1226	6.1218	20.6540	0.0285	0.8582	0.1538	1.0120	0.2432	0.1415	0.3847		2,647.5336	2,647.5336	0.0182		2,647.9163
Worker	1.1211	1.8414	15.3352	0.0410	3.7985	0.0242	3.8227	1.0075	0.0225	1.0300		2,758.3315	2,758.3315	0.1613		2,761.7180
Total	**2.2437**	**7.9632**	**35.9892**	**0.0694**	**4.6566**	**0.1781**	**4.8347**	**1.2507**	**0.1640**	**1.4147**		**5,405.8651**	**5,405.8651**	**0.1795**		**5,409.6342**

3.4 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	3.2647	28.3981	32.9798	0.0561		1.4389	1.4389		1.3523	1.3523		5,336.2173	5,336.2173	1.3244		5,364.0297
Total	**3.2647**	**28.3981**	**32.9798**	**0.0561**		**1.4389**	**1.4389**		**1.3523**	**1.3523**		**5,336.2173**	**5,336.2173**	**1.3244**		**5,364.0297**

3.4 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	1.0468	5.3922	19.8511	0.0284	0.8580	0.1473	1.0053	0.2431	0.1355	0.3786		2,640.8038	2,640.8038	0.0172		2,641.1643
Worker	1.0757	1.7757	14.6428	0.0410	3.7985	0.0243	3.8228	1.0075	0.0226	1.0301		2,721.5962	2,721.5962	0.1573		2,724.8993
Total	**2.1225**	**7.1679**	**34.4939**	**0.0693**	**4.6564**	**0.1716**	**4.8281**	**1.2506**	**0.1581**	**1.4087**		**5,362.3999**	**5,362.3999**	**0.1745**		**5,366.0637**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2647	22.7185	32.9798	0.0561		1.4389	1.4389		1.3523	1.3523	0.0000	5,336.2173	5,336.2173	1.3244		5,364.0297
Total	**3.2647**	**22.7185**	**32.9798**	**0.0561**		**1.4389**	**1.4389**		**1.3523**	**1.3523**	**0.0000**	**5,336.2173**	**5,336.2173**	**1.3244**		**5,364.0297**

3.4 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	1.0468	5.3922	19.8511	0.0284	0.8580	0.1473	1.0053	0.2431	0.1355	0.3786		2,640.8038	2,640.8038	0.0172		2,641.1643
Worker	1.0757	1.7757	14.6428	0.0410	3.7985	0.0243	3.8228	1.0075	0.0226	1.0301		2,721.5962	2,721.5962	0.1573		2,724.8993
Total	**2.1225**	**7.1679**	**34.4939**	**0.0693**	**4.6564**	**0.1716**	**4.8281**	**1.2506**	**0.1581**	**1.4087**		**5,362.3999**	**5,362.3999**	**0.1745**		**5,366.0637**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8425	17.1072	20.5363	0.0317		0.9012	0.9012		0.8382	0.8382		3,036.4718	3,036.4718	0.8464		3,054.2461
Paving	0.4042					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.2467**	**17.1072**	**20.5363**	**0.0317**		**0.9012**	**0.9012**		**0.8382**	**0.8382**		**3,036.4718**	**3,036.4718**	**0.8464**		**3,054.2461**

3.5 Paving - 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	0.0355	0.0587	0.4838	1.3500e-003	0.1255	8.0000e-004	0.1263	0.0333	7.5000e-004	0.0340		89.9206	89.9206	5.2000e-003		90.0297
Total	**0.0355**	**0.0587**	**0.4838**	**1.3500e-003**	**0.1255**	**8.0000e-004**	**0.1263**	**0.0333**	**7.5000e-004**	**0.0340**		**89.9206**	**89.9206**	**5.2000e-003**		**90.0297**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8425	13.6858	20.5363	0.0317		0.9012	0.9012		0.8382	0.8382	0.0000	3,036.4718	3,036.4718	0.8464		3,054.2461
Paving	0.4042					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.2467**	**13.6858**	**20.5363**	**0.0317**		**0.9012**	**0.9012**		**0.8382**	**0.8382**	**0.0000**	**3,036.4718**	**3,036.4718**	**0.8464**		**3,054.2461**

3.5 Paving - 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	0.0355	0.0587	0.4838	1.3500e-003	0.1255	8.0000e-004	0.1263	0.0333	7.5000e-004	0.0340		89.9206	89.9206	5.2000e-003		90.0297
Total	**0.0355**	**0.0587**	**0.4838**	**1.3500e-003**	**0.1255**	**8.0000e-004**	**0.1263**	**0.0333**	**7.5000e-004**	**0.0340**		**89.9206**	**89.9206**	**5.2000e-003**		**90.0297**

3.6 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	71.2644					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2172	1.6966	2.6171	4.2100e-003		0.0776	0.0776		0.0771	0.0771		401.4770	401.4770	0.0557		402.6458
Total	**71.4816**	**1.6966**	**2.6171**	**4.2100e-003**		**0.0776**	**0.0776**		**0.0771**	**0.0771**		**401.4770**	**401.4770**	**0.0557**		**402.6458**

3.6 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	0.8625	1.4237	11.7400	0.0328	10.9861	0.0195	11.0056	2.7569	0.0181	2.7749		2,182.0727	2,182.0727	0.1261		2,184.7210
Total	**0.8625**	**1.4237**	**11.7400**	**0.0328**	**10.9861**	**0.0195**	**11.0056**	**2.7569**	**0.0181**	**2.7749**		**2,182.0727**	**2,182.0727**	**0.1261**		**2,184.7210**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	71.2644					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2172	1.3573	2.6171	4.2100e-003		0.0776	0.0776		0.0771	0.0771	0.0000	401.4770	401.4770	0.0557		402.6458
Total	**71.4816**	**1.3573**	**2.6171**	**4.2100e-003**		**0.0776**	**0.0776**		**0.0771**	**0.0771**	**0.0000**	**401.4770**	**401.4770**	**0.0557**		**402.6458**

3.6 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	0.8625	1.4237	11.7400	0.0328	10.9861	0.0195	11.0056	2.7569	0.0181	2.7749		2,182.0727	2,182.0727	0.1261		2,184.7210
Total	**0.8625**	**1.4237**	**11.7400**	**0.0328**	**10.9861**	**0.0195**	**11.0056**	**2.7569**	**0.0181**	**2.7749**		**2,182.0727**	**2,182.0727**	**0.1261**		**2,184.7210**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	71.2644					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2063	1.6073	2.6167	4.2100e-003		0.0677	0.0677		0.0671	0.0671		401.4770	401.4770	0.0547		402.6250
Total	**71.4707**	**1.6073**	**2.6167**	**4.2100e-003**		**0.0677**	**0.0677**		**0.0671**	**0.0671**		**401.4770**	**401.4770**	**0.0547**		**402.6250**

3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8382	1.3864	11.4697	0.0332	10.9861	0.0201	11.0062	2.7569	0.0187	2.7755		2,182.0531	2,182.0531	0.1262		2,184.7037
Total	**0.8382**	**1.3864**	**11.4697**	**0.0332**	**10.9861**	**0.0201**	**11.0062**	**2.7569**	**0.0187**	**2.7755**		**2,182.0531**	**2,182.0531**	**0.1262**		**2,184.7037**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	71.2644					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2063	1.2858	2.6167	4.2100e-003		0.0677	0.0677		0.0671	0.0671	0.0000	401.4770	401.4770	0.0547		402.6250
Total	**71.4707**	**1.2858**	**2.6167**	**4.2100e-003**		**0.0677**	**0.0677**		**0.0671**	**0.0671**	**0.0000**	**401.4770**	**401.4770**	**0.0547**		**402.6250**

3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8382	1.3864	11.4697	0.0332	10.9861	0.0201	11.0062	2.7569	0.0187	2.7755		2,182.0531	2,182.0531	0.1262		2,184.7037
Total	**0.8382**	**1.3864**	**11.4697**	**0.0332**	**10.9861**	**0.0201**	**11.0062**	**2.7569**	**0.0187**	**2.7755**		**2,182.0531**	**2,182.0531**	**0.1262**		**2,184.7037**

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	27.0128	56.7704	319.1051	0.5853	39.5034	1.1609	40.6643	10.5427	1.0702	11.6129		43,595.0751	43,595.0751	1.6828		43,630.4143
Unmitigated	27.0128	56.7704	319.1051	0.5853	39.5034	1.1609	40.6643	10.5427	1.0702	11.6129		43,595.0751	43,595.0751	1.6828		43,630.4143

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	9,648.00	3,376.80	321.60	12,134,005	12,134,005
Library	1,639.80	1,396.50	764.70	2,547,548	2,547,548
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	11,287.80	4,773.30	1,086.30	14,681,553	14,681,553

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
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1
Library	12.50	4.20	5.40	52.00	43.00	5.00	44	44	12
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Parking Lot	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.467876	0.065956	0.172405	0.161468	0.036746	0.005953	0.010744	0.069773	0.001331	0.001228	0.003449	0.000500	0.002571

4.4 Fleet Mix

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	0.1585	1.4407	1.2102	8.6400e-003		0.1095	0.1095		0.1095	0.1095		1,728.8316	1,728.8316	0.0331	0.0317	1,739.3530
NaturalGas Unmitigated	0.1585	1.4407	1.2102	8.6400e-003		0.1095	0.1095		0.1095	0.1095		1,728.8316	1,728.8316	0.0331	0.0317	1,739.3530

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					
Junior College (2Yr)	11958.9	0.1290	1.1724	0.9849	7.0300e-003		0.0891	0.0891		0.0891	0.0891		1,406.9299	1,406.9299	0.0270	0.0258	1,415.4922
Library	2736.16	0.0295	0.2683	0.2253	1.6100e-003		0.0204	0.0204		0.0204	0.0204		321.9017	321.9017	6.1700e-003	5.9000e-003	323.8607
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1585**	**1.4407**	**1.2102**	**8.6400e-003**		**0.1095**	**0.1095**		**0.1095**	**0.1095**		**1,728.8316**	**1,728.8316**	**0.0331**	**0.0317**	**1,739.3530**

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					
Library	2.73616	0.0295	0.2683	0.2253	1.6100e-003		0.0204	0.0204		0.0204	0.0204		321.9017	321.9017	6.1700e-003	5.9000e-003	323.8607
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	11.9589	0.1290	1.1724	0.9849	7.0300e-003		0.0891	0.0891		0.0891	0.0891		1,406.9299	1,406.9299	0.0270	0.0258	1,415.4922
Total		**0.1585**	**1.4407**	**1.2102**	**8.6400e-003**		**0.1095**	**0.1095**		**0.1095**	**0.1095**		**1,728.8316**	**1,728.8316**	**0.0331**	**0.0317**	**1,739.3530**

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	26.7754	8.6800e-003	0.9578	7.0000e-005		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003		2.0583	2.0583	5.3500e-003		2.1707
Unmitigated	26.7754	8.6800e-003	0.9578	7.0000e-005		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003		2.0583	2.0583	5.3500e-003		2.1707

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.5795					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	23.1077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0882	8.6800e-003	0.9578	7.0000e-005		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003		2.0583	2.0583	5.3500e-003		2.1707
Total	**26.7754**	**8.6800e-003**	**0.9578**	**7.0000e-005**		**3.4000e-003**	**3.4000e-003**		**3.4000e-003**	**3.4000e-003**		**2.0583**	**2.0583**	**5.3500e-003**		**2.1707**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.5795					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	23.1077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0882	8.6800e-003	0.9578	7.0000e-005		3.4000e-003	3.4000e-003		3.4000e-003	3.4000e-003		2.0583	2.0583	5.3500e-003		2.1707
Total	**26.7754**	**8.6800e-003**	**0.9578**	**7.0000e-005**		**3.4000e-003**	**3.4000e-003**		**3.4000e-003**	**3.4000e-003**		**2.0583**	**2.0583**	**5.3500e-003**		**2.1707**

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 Vegetation

PROPOSED PROJECT – PHASED

College of the Desert

West Valley Campus

Air Emission Outputs

CalEEMod Version 2013.2.2

College of the Desert, West Valley Campus Phase 1

Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	50.00	1000sqft	9.15	50,000.00	0
Other Asphalt Surfaces	1.00	Acre	1.00	43,560.00	0
Parking Lot	160.00	Space	1.44	64,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase I development of the COD West Valley Campus, Palm Springs California.

Land Use - Phase 1 development includes demolition of the existing mall, construction of 50,000 sf of educational space, and 160 parking reconfiguired parking spaces and internal streets.

Construction Phase - Assumes a 18 month buildout for Phase 1.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT - Hauling trips based on demo estimate from Demo Unlimited Inc.

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition - Demolition material assumptions based on info provided by Demo Unlimted Inc., assumes 650 loads (12 tons) const. mat. and 885 loads (15 tons) concrete. See DEIR.

Grading - Material import assumptions provided by MSA Consulting. Assumptions further discussed in EIR.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Road Dust - All roads are paved.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Vehicle Trips - Trip rate was adjusted to reflect results of Traffic Report. Phase I = 970 daily trips: 50 (1,000's) SF x 19. = 970 trips.

Table Name	Column Name	Default Value	New Value
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tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstructionPhase	NumDays	300.00	220.00
tblConstructionPhase	NumDays	20.00	45.00
tblConstructionPhase	NumDays	30.00	45.00
tblConstructionPhase	NumDays	20.00	30.00
tblGrading	AcresOfGrading	67.50	11.59
tblGrading	MaterialImported	0.00	30,000.00
tblLandUse	LotAcreage	1.15	9.15
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
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tblOnRoadDust	VendorPercentPave	50.00	100.00

tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
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tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2019
tblRoadDust	RoadPercentPave	50	100
tblTripsAndVMT	HaulingTripNumber	2,084.00	1,535.00
tblTripsAndVMT	HaulingTripNumber	3,750.00	1,250.00
tblTripsAndVMT	VendorTripNumber	26.00	30.00
tblTripsAndVMT	WorkerTripNumber	66.00	76.00
tblTripsAndVMT	WorkerTripNumber	13.00	15.00
tblTripsAndVMT	WorkerTripNumber	13.00	15.00
tblTripsAndVMT	WorkerTripNumber	13.00	15.00
tblTripsAndVMT	WorkerTripNumber	13.00	15.00
tblVehicleTrips	WD_TR	27.49	19.40

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					
2017	0.8425	7.7707	5.7784	9.2000e-003	0.4471	0.4265	0.8736	0.1200	0.3985	0.5185	0.0000	815.9627	815.9627	0.1742	0.0000	819.6204
2018	0.8607	1.6872	1.4380	2.3200e-003	0.0407	0.0960	0.1367	0.0106	0.0902	0.1008	0.0000	200.4336	200.4336	0.0449	0.0000	201.3762
Total	**1.7032**	**9.4579**	**7.2164**	**0.0115**	**0.4878**	**0.5225**	**1.0103**	**0.1306**	**0.4887**	**0.6193**	**0.0000**	**1,016.3963**	**1,016.3963**	**0.2191**	**0.0000**	**1,020.9966**

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					
2017	0.8425	6.3177	5.7784	9.2000e-003	0.2366	0.4265	0.6632	0.0636	0.3985	0.4621	0.0000	815.9619	815.9619	0.1742	0.0000	819.6196
2018	0.8607	1.3616	1.4380	2.3200e-003	0.0407	0.0960	0.1367	0.0106	0.0902	0.1008	0.0000	200.4334	200.4334	0.0449	0.0000	201.3760
Total	**1.7032**	**7.6793**	**7.2164**	**0.0115**	**0.2773**	**0.5225**	**0.7998**	**0.0742**	**0.4887**	**0.5629**	**0.0000**	**1,016.3954**	**1,016.3954**	**0.2191**	**0.0000**	**1,020.9957**

	ROG	NOx	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**	**18.81**	**0.00**	**0.00**	**43.15**	**0.00**	**20.83**	**43.19**	**0.00**	**9.11**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.7262	2.0000e-005	1.9600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7700e-003	3.7700e-003	1.0000e-005	0.0000	3.9800e-003
Energy	3.9200e-003	0.0357	0.0300	2.1000e-004		2.7100e-003	2.7100e-003		2.7100e-003	2.7100e-003	0.0000	181.7110	181.7110	7.3100e-003	2.0700e-003	182.5065
Mobile	0.4532	1.0689	4.6591	7.6200e-003	0.4888	0.0164	0.5052	0.1306	0.0151	0.1457	0.0000	554.4212	554.4212	0.0221	0.0000	554.8844
Waste						0.0000	0.0000		0.0000	0.0000	13.1944	0.0000	13.1944	0.7798	0.0000	29.5695
Water						0.0000	0.0000		0.0000	0.0000	0.7781	21.3338	22.1118	0.0809	2.0900e-003	24.4584
Total	**1.1833**	**1.1046**	**4.6910**	**7.8300e-003**	**0.4888**	**0.0191**	**0.5079**	**0.1306**	**0.0178**	**0.1484**	**13.9725**	**757.4698**	**771.4422**	**0.8900**	**4.1600e-003**	**791.4228**

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	0.7262	2.0000e-005	1.9600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7700e-003	3.7700e-003	1.0000e-005	0.0000	3.9800e-003
Energy	3.9200e-003	0.0357	0.0300	2.1000e-004		2.7100e-003	2.7100e-003		2.7100e-003	2.7100e-003	0.0000	181.7110	181.7110	7.3100e-003	2.0700e-003	182.5065
Mobile	0.4532	1.0689	4.6591	7.6200e-003	0.4888	0.0164	0.5052	0.1306	0.0151	0.1457	0.0000	554.4212	554.4212	0.0221	0.0000	554.8844
Waste						0.0000	0.0000		0.0000	0.0000	13.1944	0.0000	13.1944	0.7798	0.0000	29.5695
Water						0.0000	0.0000		0.0000	0.0000	0.7781	21.3338	22.1118	0.0809	2.0900e-003	24.4572
Total	**1.1833**	**1.1046**	**4.6910**	**7.8300e-003**	**0.4888**	**0.0191**	**0.5079**	**0.1306**	**0.0178**	**0.1484**	**13.9725**	**757.4698**	**771.4422**	**0.8900**	**4.1600e-003**	**791.4215**

	ROG	NOx	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	1/1/2017	3/3/2017	5	45	
2	Grading	Grading	3/4/2017	5/5/2017	5	45	
3	Building Construction	Building Construction	5/6/2017	3/9/2018	5	220	
4	Paving	Paving	3/10/2018	4/20/2018	5	30	
5	Architectural Coating	Architectural Coating	4/21/2018	5/18/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 11.59

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 143,220; Non-Residential Outdoor: 47,740 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40
Demolition	Rubber Tired Loaders	2	6.00	199	0.36
Demolition	Signal Boards	1	6.00	6	0.82
Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42
Grading	Plate Compactors	1	6.00	8	0.43

Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45
Paving	Concrete/Industrial Saws	1	6.00	81	0.73
Paving	Graders	1	6.00	174	0.41
Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	1	6.00	6	0.82

Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	13	33.00	0.00	1,535.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	13	33.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	76.00	30.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	11	28.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2343	0.0000	0.2343	0.0355	0.0000	0.0355	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1231	1.3096	0.8238	1.1500e-003		0.0669	0.0669		0.0620	0.0620	0.0000	105.7684	105.7684	0.0303	0.0000	106.4041
Total	**0.1231**	**1.3096**	**0.8238**	**1.1500e-003**	**0.2343**	**0.0669**	**0.3012**	**0.0355**	**0.0620**	**0.0974**	**0.0000**	**105.7684**	**105.7684**	**0.0303**	**0.0000**	**106.4041**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0129	0.1631	0.1769	5.4000e-004	0.0133	3.7300e-003	0.0170	3.6500e-003	3.4300e-003	7.0800e-003	0.0000	48.2835	48.2835	2.7000e-004	0.0000	48.2891
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8400e-003	4.0400e-003	0.0384	7.0000e-005	6.1400e-003	4.0000e-005	6.1800e-003	1.6300e-003	4.0000e-005	1.6700e-003	0.0000	5.0265	5.0265	3.0000e-004	0.0000	5.0328
Total	**0.0157**	**0.1672**	**0.2153**	**6.1000e-004**	**0.0194**	**3.7700e-003**	**0.0232**	**5.2800e-003**	**3.4700e-003**	**8.7500e-003**	**0.0000**	**53.3100**	**53.3100**	**5.7000e-004**	**0.0000**	**53.3219**

3.2 Demolition - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0914	0.0000	0.0914	0.0138	0.0000	0.0138	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1231	1.0476	0.8238	1.1500e-003		0.0669	0.0669		0.0620	0.0620	0.0000	105.7683	105.7683	0.0303	0.0000	106.4040
Total	**0.1231**	**1.0476**	**0.8238**	**1.1500e-003**	**0.0914**	**0.0669**	**0.1583**	**0.0138**	**0.0620**	**0.0758**	**0.0000**	**105.7683**	**105.7683**	**0.0303**	**0.0000**	**106.4040**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0129	0.1631	0.1769	5.4000e-004	0.0133	3.7300e-003	0.0170	3.6500e-003	3.4300e-003	7.0800e-003	0.0000	48.2835	48.2835	2.7000e-004	0.0000	48.2891
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8400e-003	4.0400e-003	0.0384	7.0000e-005	6.1400e-003	4.0000e-005	6.1800e-003	1.6300e-003	4.0000e-005	1.6700e-003	0.0000	5.0265	5.0265	3.0000e-004	0.0000	5.0328
Total	**0.0157**	**0.1672**	**0.2153**	**6.1000e-004**	**0.0194**	**3.7700e-003**	**0.0232**	**5.2800e-003**	**3.4700e-003**	**8.7500e-003**	**0.0000**	**53.3100**	**53.3100**	**5.7000e-004**	**0.0000**	**53.3219**

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1108	0.0000	0.1108	0.0570	0.0000	0.0570	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1285	1.3498	0.8686	1.1300e-003		0.0738	0.0738		0.0680	0.0680	0.0000	103.9384	103.9384	0.0316	0.0000	104.6017
Total	**0.1285**	**1.3498**	**0.8686**	**1.1300e-003**	**0.1108**	**0.0738**	**0.1846**	**0.0570**	**0.0680**	**0.1249**	**0.0000**	**103.9384**	**103.9384**	**0.0316**	**0.0000**	**104.6017**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0105	0.1329	0.1440	4.4000e-004	0.0108	3.0300e-003	0.0139	2.9700e-003	2.7900e-003	5.7600e-003	0.0000	39.3188	39.3188	2.2000e-004	0.0000	39.3234
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8400e-003	4.0400e-003	0.0384	7.0000e-005	6.1400e-003	4.0000e-005	6.1800e-003	1.6300e-003	4.0000e-005	1.6700e-003	0.0000	5.0265	5.0265	3.0000e-004	0.0000	5.0328
Total	**0.0133**	**0.1369**	**0.1824**	**5.1000e-004**	**0.0170**	**3.0700e-003**	**0.0200**	**4.6000e-003**	**2.8300e-003**	**7.4300e-003**	**0.0000**	**44.3453**	**44.3453**	**5.2000e-004**	**0.0000**	**44.3562**

3.3 Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0432	0.0000	0.0432	0.0222	0.0000	0.0222	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1285	1.0799	0.8686	1.1300e-003		0.0738	0.0738		0.0680	0.0680	0.0000	103.9382	103.9382	0.0316	0.0000	104.6016
Total	**0.1285**	**1.0799**	**0.8686**	**1.1300e-003**	**0.0432**	**0.0738**	**0.1170**	**0.0222**	**0.0680**	**0.0902**	**0.0000**	**103.9382**	**103.9382**	**0.0316**	**0.0000**	**104.6016**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0105	0.1329	0.1440	4.4000e-004	0.0108	3.0300e-003	0.0139	2.9700e-003	2.7900e-003	5.7600e-003	0.0000	39.3188	39.3188	2.2000e-004	0.0000	39.3234
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8400e-003	4.0400e-003	0.0384	7.0000e-005	6.1400e-003	4.0000e-005	6.1800e-003	1.6300e-003	4.0000e-005	1.6700e-003	0.0000	5.0265	5.0265	3.0000e-004	0.0000	5.0328
Total	**0.0133**	**0.1369**	**0.1824**	**5.1000e-004**	**0.0170**	**3.0700e-003**	**0.0200**	**4.6000e-003**	**2.8300e-003**	**7.4300e-003**	**0.0000**	**44.3453**	**44.3453**	**5.2000e-004**	**0.0000**	**44.3562**

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5136	4.6053	3.0376	4.7700e-003		0.2753	0.2753		0.2590	0.2590	0.0000	427.7783	427.7783	0.1084	0.0000	430.0540
Total	**0.5136**	**4.6053**	**3.0376**	**4.7700e-003**		**0.2753**	**0.2753**		**0.2590**	**0.2590**	**0.0000**	**427.7783**	**427.7783**	**0.1084**	**0.0000**	**430.0540**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0236	0.1667	0.3166	4.2000e-004	0.0123	3.2900e-003	0.0156	3.4800e-003	3.0200e-003	6.5000e-003	0.0000	37.0903	37.0903	2.4000e-004	0.0000	37.0954
Worker	0.0247	0.0352	0.3341	6.2000e-004	0.0534	3.4000e-004	0.0538	0.0142	3.2000e-004	0.0145	0.0000	43.7320	43.7320	2.6200e-003	0.0000	43.7871
Total	**0.0483**	**0.2019**	**0.6507**	**1.0400e-003**	**0.0657**	**3.6300e-003**	**0.0693**	**0.0177**	**3.3400e-003**	**0.0210**	**0.0000**	**80.8223**	**80.8223**	**2.8600e-003**	**0.0000**	**80.8825**

3.4 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5136	3.6842	3.0376	4.7700e-003		0.2753	0.2753		0.2590	0.2590	0.0000	427.7778	427.7778	0.1084	0.0000	430.0535
Total	**0.5136**	**3.6842**	**3.0376**	**4.7700e-003**		**0.2753**	**0.2753**		**0.2590**	**0.2590**	**0.0000**	**427.7778**	**427.7778**	**0.1084**	**0.0000**	**430.0535**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0236	0.1667	0.3166	4.2000e-004	0.0123	3.2900e-003	0.0156	3.4800e-003	3.0200e-003	6.5000e-003	0.0000	37.0903	37.0903	2.4000e-004	0.0000	37.0954
Worker	0.0247	0.0352	0.3341	6.2000e-004	0.0534	3.4000e-004	0.0538	0.0142	3.2000e-004	0.0145	0.0000	43.7320	43.7320	2.6200e-003	0.0000	43.7871
Total	**0.0483**	**0.2019**	**0.6507**	**1.0400e-003**	**0.0657**	**3.6300e-003**	**0.0693**	**0.0177**	**3.3400e-003**	**0.0210**	**0.0000**	**80.8223**	**80.8223**	**2.8600e-003**	**0.0000**	**80.8825**

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1299	1.1682	0.8679	1.4000e-003		0.0680	0.0680		0.0640	0.0640	0.0000	124.3630	124.3630	0.0314	0.0000	125.0229
Total	**0.1299**	**1.1682**	**0.8679**	**1.4000e-003**		**0.0680**	**0.0680**		**0.0640**	**0.0640**	**0.0000**	**124.3630**	**124.3630**	**0.0314**	**0.0000**	**125.0229**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1900e-003	0.0446	0.0869	1.2000e-004	3.6000e-003	9.1000e-004	4.5100e-003	1.0200e-003	8.3000e-004	1.8600e-003	0.0000	10.7132	10.7132	7.0000e-005	0.0000	10.7146
Worker	6.5600e-003	9.4900e-003	0.0894	1.8000e-004	0.0157	1.0000e-004	0.0158	4.1700e-003	9.0000e-005	4.2600e-003	0.0000	12.3659	12.3659	7.2000e-004	0.0000	12.3810
Total	**0.0128**	**0.0540**	**0.1763**	**3.0000e-004**	**0.0193**	**1.0100e-003**	**0.0203**	**5.1900e-003**	**9.2000e-004**	**6.1200e-003**	**0.0000**	**23.0790**	**23.0790**	**7.9000e-004**	**0.0000**	**23.0956**

3.4 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1299	0.9346	0.8679	1.4000e-003		0.0680	0.0680		0.0640	0.0640	0.0000	124.3628	124.3628	0.0314	0.0000	125.0227
Total	**0.1299**	**0.9346**	**0.8679**	**1.4000e-003**		**0.0680**	**0.0680**		**0.0640**	**0.0640**	**0.0000**	**124.3628**	**124.3628**	**0.0314**	**0.0000**	**125.0227**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1900e-003	0.0446	0.0869	1.2000e-004	3.6000e-003	9.1000e-004	4.5100e-003	1.0200e-003	8.3000e-004	1.8600e-003	0.0000	10.7132	10.7132	7.0000e-005	0.0000	10.7146
Worker	6.5600e-003	9.4900e-003	0.0894	1.8000e-004	0.0157	1.0000e-004	0.0158	4.1700e-003	9.0000e-005	4.2600e-003	0.0000	12.3659	12.3659	7.2000e-004	0.0000	12.3810
Total	**0.0128**	**0.0540**	**0.1763**	**3.0000e-004**	**0.0193**	**1.0100e-003**	**0.0203**	**5.1900e-003**	**9.2000e-004**	**6.1200e-003**	**0.0000**	**23.0790**	**23.0790**	**7.9000e-004**	**0.0000**	**23.0956**

3.5 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0442	0.4345	0.3192	4.8000e-004		0.0254	0.0254		0.0236	0.0236	0.0000	42.6686	42.6686	0.0117	0.0000	42.9142
Paving	3.2000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0474**	**0.4345**	**0.3192**	**4.8000e-004**		**0.0254**	**0.0254**		**0.0236**	**0.0236**	**0.0000**	**42.6686**	**42.6686**	**0.0117**	**0.0000**	**42.9142**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4500e-003	2.1000e-003	0.0198	4.0000e-005	3.4700e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.7335	2.7335	1.6000e-004	0.0000	2.7368
Total	**1.4500e-003**	**2.1000e-003**	**0.0198**	**4.0000e-005**	**3.4700e-003**	**2.0000e-005**	**3.4900e-003**	**9.2000e-004**	**2.0000e-005**	**9.4000e-004**	**0.0000**	**2.7335**	**2.7335**	**1.6000e-004**	**0.0000**	**2.7368**

3.5 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0442	0.3476	0.3192	4.8000e-004		0.0254	0.0254		0.0236	0.0236	0.0000	42.6686	42.6686	0.0117	0.0000	42.9141
Paving	3.2000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0474**	**0.3476**	**0.3192**	**4.8000e-004**		**0.0254**	**0.0254**		**0.0236**	**0.0236**	**0.0000**	**42.6686**	**42.6686**	**0.0117**	**0.0000**	**42.9141**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4500e-003	2.1000e-003	0.0198	4.0000e-005	3.4700e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.7335	2.7335	1.6000e-004	0.0000	2.7368
Total	**1.4500e-003**	**2.1000e-003**	**0.0198**	**4.0000e-005**	**3.4700e-003**	**2.0000e-005**	**3.4900e-003**	**9.2000e-004**	**2.0000e-005**	**9.4000e-004**	**0.0000**	**2.7335**	**2.7335**	**1.6000e-004**	**0.0000**	**2.7368**

3.6 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6638					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3000e-003	0.0253	0.0266	4.0000e-005		1.6500e-003	1.6500e-003		1.6400e-003	1.6400e-003	0.0000	3.6845	3.6845	5.9000e-004	0.0000	3.6970
Total	**0.6671**	**0.0253**	**0.0266**	**4.0000e-005**		**1.6500e-003**	**1.6500e-003**		**1.6400e-003**	**1.6400e-003**	**0.0000**	**3.6845**	**3.6845**	**5.9000e-004**	**0.0000**	**3.6970**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.0700e-003	3.0000e-003	0.0282	6.0000e-005	0.0179	3.0000e-005	0.0179	4.4900e-003	3.0000e-005	4.5100e-003	0.0000	3.9050	3.9050	2.3000e-004	0.0000	3.9098
Total	**2.0700e-003**	**3.0000e-003**	**0.0282**	**6.0000e-005**	**0.0179**	**3.0000e-005**	**0.0179**	**4.4900e-003**	**3.0000e-005**	**4.5100e-003**	**0.0000**	**3.9050**	**3.9050**	**2.3000e-004**	**0.0000**	**3.9098**

3.6 Architectural Coating - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6638					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3000e-003	0.0202	0.0266	4.0000e-005		1.6500e-003	1.6500e-003		1.6400e-003	1.6400e-003	0.0000	3.6845	3.6845	5.9000e-004	0.0000	3.6970
Total	**0.6671**	**0.0202**	**0.0266**	**4.0000e-005**		**1.6500e-003**	**1.6500e-003**		**1.6400e-003**	**1.6400e-003**	**0.0000**	**3.6845**	**3.6845**	**5.9000e-004**	**0.0000**	**3.6970**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.0700e-003	3.0000e-003	0.0282	6.0000e-005	0.0179	3.0000e-005	0.0179	4.4900e-003	3.0000e-005	4.5100e-003	0.0000	3.9050	3.9050	2.3000e-004	0.0000	3.9098
Total	**2.0700e-003**	**3.0000e-003**	**0.0282**	**6.0000e-005**	**0.0179**	**3.0000e-005**	**0.0179**	**4.4900e-003**	**3.0000e-005**	**4.5100e-003**	**0.0000**	**3.9050**	**3.9050**	**2.3000e-004**	**0.0000**	**3.9098**

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	0.4532	1.0689	4.6591	7.6200e-003	0.4888	0.0164	0.5052	0.1306	0.0151	0.1457	0.0000	554.4212	554.4212	0.0221	0.0000	554.8844
Unmitigated	0.4532	1.0689	4.6591	7.6200e-003	0.4888	0.0164	0.5052	0.1306	0.0151	0.1457	0.0000	554.4212	554.4212	0.0221	0.0000	554.8844

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	970.00	561.50	60.50	1,278,385	1,278,385
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	970.00	561.50	60.50	1,278,385	1,278,385

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
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Parking Lot	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.470808	0.065208	0.167521	0.156577	0.039284	0.006365	0.011828	0.073190	0.001405	0.001202	0.003716	0.000539	0.002359

5.0 Energy Detail

4.4 Fleet Mix

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	142.8889	142.8889	6.5700e-003	1.3600e-003	143.4481
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	142.8889	142.8889	6.5700e-003	1.3600e-003	143.4481
NaturalGas Mitigated	3.9200e-003	0.0357	0.0300	2.1000e-004		2.7100e-003	2.7100e-003		2.7100e-003	2.7100e-003	0.0000	38.8222	38.8222	7.4000e-004	7.1000e-004	39.0584
NaturalGas Unmitigated	3.9200e-003	0.0357	0.0300	2.1000e-004		2.7100e-003	2.7100e-003		2.7100e-003	2.7100e-003	0.0000	38.8222	38.8222	7.4000e-004	7.1000e-004	39.0584

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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	727500	3.9200e-003	0.0357	0.0300	2.1000e-004		2.7100e-003	2.7100e-003		2.7100e-003	2.7100e-003	0.0000	38.8222	38.8222	7.4000e-004	7.1000e-004	39.0584
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
Total		**3.9200e-003**	**0.0357**	**0.0300**	**2.1000e-004**		**2.7100e-003**	**2.7100e-003**		**2.7100e-003**	**2.7100e-003**	**0.0000**	**38.8222**	**38.8222**	**7.4000e-004**	**7.1000e-004**	**39.0584**

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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	727500	3.9200e-003	0.0357	0.0300	2.1000e-004		2.7100e-003	2.7100e-003		2.7100e-003	2.7100e-003	0.0000	38.8222	38.8222	7.4000e-004	7.1000e-004	39.0584
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
Total		**3.9200e-003**	**0.0357**	**0.0300**	**2.1000e-004**		**2.7100e-003**	**2.7100e-003**		**2.7100e-003**	**2.7100e-003**	**0.0000**	**38.8222**	**38.8222**	**7.4000e-004**	**7.1000e-004**	**39.0584**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	443000	126.7719	5.8300e-003	1.2100e-003	127.2681
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	56320	16.1169	7.4000e-004	1.5000e-004	16.1800
Total		**142.8889**	**6.5700e-003**	**1.3600e-003**	**143.4481**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	443000	126.7719	5.8300e-003	1.2100e-003	127.2681
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	56320	16.1169	7.4000e-004	1.5000e-004	16.1800
Total		**142.8889**	**6.5700e-003**	**1.3600e-003**	**143.4481**

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	0.7262	2.0000e-005	1.9600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7700e-003	3.7700e-003	1.0000e-005	0.0000	3.9800e-003
Unmitigated	0.7262	2.0000e-005	1.9600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7700e-003	3.7700e-003	1.0000e-005	0.0000	3.9800e-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	0.1106					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6154					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.9000e-004	2.0000e-005	1.9600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7700e-003	3.7700e-003	1.0000e-005	0.0000	3.9800e-003
Total	**0.7262**	**2.0000e-005**	**1.9600e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**3.7700e-003**	**3.7700e-003**	**1.0000e-005**	**0.0000**	**3.9800e-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	0.1106					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6154					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.9000e-004	2.0000e-005	1.9600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7700e-003	3.7700e-003	1.0000e-005	0.0000	3.9800e-003
Total	**0.7262**	**2.0000e-005**	**1.9600e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**3.7700e-003**	**3.7700e-003**	**1.0000e-005**	**0.0000**	**3.9800e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	22.1118	0.0809	2.0900e-003	24.4572
Unmitigated	22.1118	0.0809	2.0900e-003	24.4584

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	2.45245 / 3.83589	22.1118	0.0809	2.0900e-003	24.4584
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**22.1118**	**0.0809**	**2.0900e-003**	**24.4584**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	2.45245 / 3.83589	22.1118	0.0809	2.0900e-003	24.4572
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**22.1118**	**0.0809**	**2.0900e-003**	**24.4572**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	13.1944	0.7798	0.0000	29.5695
Unmitigated	13.1944	0.7798	0.0000	29.5695

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	65	13.1944	0.7798	0.0000	29.5695
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**13.1944**	**0.7798**	**0.0000**	**29.5695**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	65	13.1944	0.7798	0.0000	29.5695
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**13.1944**	**0.7798**	**0.0000**	**29.5695**

9.0 Operational Offroad

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

10.0 Vegetation

College of the Desert, West Valley Campus Phase 1

Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	50.00	1000sqft	9.15	50,000.00	0
Other Asphalt Surfaces	1.00	Acre	1.00	43,560.00	0
Parking Lot	160.00	Space	1.44	64,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase I development of the COD West Valley Campus, Palm Springs California.

Land Use - Phase 1 development includes demolition of the existing mall, construction of 50,000 sf of educational space, and 160 parking reconfiguired parking spaces and internal streets.

Construction Phase - Assumes a 18 month buildout for Phase 1.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT - Hauling trips based on demo estimate from Demo Unlimited Inc.

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition - Demolition material assumptions based on info provided by Demo Unlimted Inc., assumes 650 loads (12 tons) const. mat. and 885 loads (15 tons) concrete. See DEIR.

Grading - Material import assumptions provided by MSA Consulting. Assumptions further discussed in EIR.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Road Dust - All roads are paved.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Vehicle Trips - Trip rate was adjusted to reflect results of Traffic Report. Phase I = 970 daily trips: 50 (1,000's) SF x 19. = 970 trips.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00

tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstructionPhase	NumDays	300.00	220.00
tblConstructionPhase	NumDays	20.00	45.00
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tblConstructionPhase	NumDays	20.00	30.00
tblGrading	AcresOfGrading	67.50	11.59
tblGrading	MaterialImported	0.00	30,000.00
tblLandUse	LotAcreage	1.15	9.15
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

tblOffRoadEquipment	UsageHours	8.00	6.00
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tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
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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	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
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tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2019
tblRoadDust	RoadPercentPave	50	100
tblTripsAndVMT	HaulingTripNumber	2,084.00	1,535.00
tblTripsAndVMT	HaulingTripNumber	3,750.00	1,250.00
tblTripsAndVMT	VendorTripNumber	26.00	30.00
tblTripsAndVMT	WorkerTripNumber	66.00	76.00
tblTripsAndVMT	WorkerTripNumber	13.00	15.00
tblTripsAndVMT	WorkerTripNumber	13.00	15.00
tblTripsAndVMT	WorkerTripNumber	13.00	15.00
tblTripsAndVMT	WorkerTripNumber	13.00	15.00
tblVehicleTrips	WD_TR	27.49	19.40

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					
2017	6.6756	65.6991	46.6126	0.0782	11.2868	3.4176	14.4265	2.7389	3.1456	5.8844	0.0000	7,800.6738	7,800.6738	1.5728	0.0000	7,833.7020
2018	66.9687	48.7841	41.9419	0.0684	1.8109	2.7580	3.5395	0.4544	2.5956	2.8056	0.0000	6,513.6949	6,513.6949	1.4204	0.0000	6,543.5226
Total	**73.6443**	**114.4832**	**88.5545**	**0.1467**	**13.0977**	**6.1756**	**17.9660**	**3.1933**	**5.7412**	**8.6900**	**0.0000**	**14,314.3687**	**14,314.3687**	**2.9931**	**0.0000**	**14,377.2245**

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					
2017	6.6756	53.7005	46.6126	0.0782	4.9346	3.4176	8.0743	1.1942	3.1456	4.3398	0.0000	7,800.6738	7,800.6738	1.5728	0.0000	7,833.7020
2018	66.9687	39.4383	41.9419	0.0684	1.8109	2.7580	3.5395	0.4544	2.5956	2.8056	0.0000	6,513.6949	6,513.6949	1.4204	0.0000	6,543.5226
Total	**73.6443**	**93.1388**	**88.5545**	**0.1467**	**6.7455**	**6.1756**	**11.6138**	**1.6486**	**5.7412**	**7.1453**	**0.0000**	**14,314.3687**	**14,314.3687**	**2.9931**	**0.0000**	**14,377.2245**

	ROG	NOx	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**	**18.64**	**0.00**	**0.00**	**48.50**	**0.00**	**35.36**	**48.37**	**0.00**	**17.78**	**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	3.9801	2.0000e-004	0.0218	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0462	0.0462	1.3000e-004		0.0488
Energy	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154
Mobile	3.6292	6.9318	32.6827	0.0528	3.3721	0.1114	3.4835	0.9003	0.1026	1.0029		4,226.7543	4,226.7543	0.1657		4,230.2337
Total	**7.6307**	**7.1274**	**32.8685**	**0.0539**	**3.3721**	**0.1263**	**3.4984**	**0.9003**	**0.1175**	**1.0178**		**4,461.2888**	**4,461.2888**	**0.1703**	**4.3000e-003**	**4,466.1979**

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	3.9801	2.0000e-004	0.0218	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0462	0.0462	1.3000e-004		0.0488
Energy	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154
Mobile	3.6292	6.9318	32.6827	0.0528	3.3721	0.1114	3.4835	0.9003	0.1026	1.0029		4,226.7543	4,226.7543	0.1657		4,230.2337
Total	**7.6307**	**7.1274**	**32.8685**	**0.0539**	**3.3721**	**0.1263**	**3.4984**	**0.9003**	**0.1175**	**1.0178**		**4,461.2888**	**4,461.2888**	**0.1703**	**4.3000e-003**	**4,466.1979**

	ROG	NOx	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	1/1/2017	3/3/2017	5	45	
2	Grading	Grading	3/4/2017	5/5/2017	5	45	
3	Building Construction	Building Construction	5/6/2017	3/9/2018	5	220	
4	Paving	Paving	3/10/2018	4/20/2018	5	30	
5	Architectural Coating	Architectural Coating	4/21/2018	5/18/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 11.59

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 143,220; Non-Residential Outdoor: 47,740 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40
Demolition	Rubber Tired Loaders	2	6.00	199	0.36

Demolition	Signal Boards	1	6.00	6	0.82
Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42
Grading	Plate Compactors	1	6.00	8	0.43
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45
Paving	Concrete/Industrial Saws	1	6.00	81	0.73

Paving	Graders	1	6.00	174	0.41
Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	1	6.00	6	0.82
Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	13	33.00	0.00	1,535.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	13	33.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	76.00	30.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	11	28.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					10.4134	0.0000	10.4134	1.5769	0.0000	1.5769			0.0000			0.0000
Off-Road	5.4701	58.2022	36.6142	0.0511		2.9725	2.9725		2.7540	2.7540		5,181.7649	5,181.7649	1.4831		5,212.9101
Total	**5.4701**	**58.2022**	**36.6142**	**0.0511**	**10.4134**	**2.9725**	**13.3859**	**1.5769**	**2.7540**	**4.3308**		**5,181.7649**	**5,181.7649**	**1.4831**		**5,212.9101**

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5657	6.8009	7.4875	0.0239	0.5973	0.1655	0.7627	0.1638	0.1522	0.3160		2,367.9792	2,367.9792	0.0129		2,368.2505
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1561	0.1678	1.9117	3.2200e-003	0.2761	1.7500e-003	0.2779	0.0732	1.6200e-003	0.0749		250.9298	250.9298	0.0148		251.2399
Total	**0.7218**	**6.9687**	**9.3992**	**0.0271**	**0.8734**	**0.1672**	**1.0406**	**0.2370**	**0.1538**	**0.3908**		**2,618.9089**	**2,618.9089**	**0.0277**		**2,619.4904**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.0612	0.0000	4.0612	0.6150	0.0000	0.6150			0.0000			0.0000
Off-Road	5.4701	46.5617	36.6142	0.0511		2.9725	2.9725		2.7540	2.7540	0.0000	5,181.7649	5,181.7649	1.4831		5,212.9101
Total	**5.4701**	**46.5617**	**36.6142**	**0.0511**	**4.0612**	**2.9725**	**7.0337**	**0.6150**	**2.7540**	**3.3689**	**0.0000**	**5,181.7649**	**5,181.7649**	**1.4831**		**5,212.9101**

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5657	6.8009	7.4875	0.0239	0.5973	0.1655	0.7627	0.1638	0.1522	0.3160		2,367.9792	2,367.9792	0.0129		2,368.2505
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1561	0.1678	1.9117	3.2200e-003	0.2761	1.7500e-003	0.2779	0.0732	1.6200e-003	0.0749		250.9298	250.9298	0.0148		251.2399
Total	**0.7218**	**6.9687**	**9.3992**	**0.0271**	**0.8734**	**0.1672**	**1.0406**	**0.2370**	**0.1538**	**0.3908**		**2,618.9089**	**2,618.9089**	**0.0277**		**2,619.4904**

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9225	0.0000	4.9225	2.5323	0.0000	2.5323			0.0000			0.0000
Off-Road	5.7119	59.9930	38.6036	0.0500		3.2811	3.2811		3.0200	3.0200		5,092.1083	5,092.1083	1.5475		5,124.6054
Total	**5.7119**	**59.9930**	**38.6036**	**0.0500**	**4.9225**	**3.2811**	**8.2035**	**2.5323**	**3.0200**	**5.5523**		**5,092.1083**	**5,092.1083**	**1.5475**		**5,124.6054**

3.3 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4607	5.5382	6.0973	0.0195	0.4864	0.1347	0.6211	0.1334	0.1239	0.2573		1,928.3218	1,928.3218	0.0105		1,928.5427
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1561	0.1678	1.9117	3.2200e-003	0.2761	1.7500e-003	0.2779	0.0732	1.6200e-003	0.0749		250.9298	250.9298	0.0148		251.2399
Total	**0.6168**	**5.7060**	**8.0090**	**0.0227**	**0.7625**	**0.1365**	**0.8990**	**0.2066**	**0.1255**	**0.3322**		**2,179.2516**	**2,179.2516**	**0.0253**		**2,179.7826**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.9198	0.0000	1.9198	0.9876	0.0000	0.9876			0.0000			0.0000
Off-Road	5.7119	47.9944	38.6036	0.0500		3.2811	3.2811		3.0200	3.0200	0.0000	5,092.1083	5,092.1083	1.5475		5,124.6054
Total	**5.7119**	**47.9944**	**38.6036**	**0.0500**	**1.9198**	**3.2811**	**5.2008**	**0.9876**	**3.0200**	**4.0076**	**0.0000**	**5,092.1083**	**5,092.1083**	**1.5475**		**5,124.6054**

3.3 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4607	5.5382	6.0973	0.0195	0.4864	0.1347	0.6211	0.1334	0.1239	0.2573		1,928.3218	1,928.3218	0.0105		1,928.5427
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1561	0.1678	1.9117	3.2200e-003	0.2761	1.7500e-003	0.2779	0.0732	1.6200e-003	0.0749		250.9298	250.9298	0.0148		251.2399
Total	**0.6168**	**5.7060**	**8.0090**	**0.0227**	**0.7625**	**0.1365**	**0.8990**	**0.2066**	**0.1255**	**0.3322**		**2,179.2516**	**2,179.2516**	**0.0253**		**2,179.7826**

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.0419	54.1797	35.7363	0.0561		3.2393	3.2393		3.0466	3.0466		5,547.5869	5,547.5869	1.4053		5,577.0987
Total	**6.0419**	**54.1797**	**35.7363**	**0.0561**		**3.2393**	**3.2393**		**3.0466**	**3.0466**		**5,547.5869**	**5,547.5869**	**1.4053**		**5,577.0987**

3.4 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2742	1.8694	3.4871	4.9200e-003	0.1457	0.0385	0.1842	0.0413	0.0354	0.0767		483.2633	483.2633	3.0800e-003		483.3279
Worker	0.3596	0.3865	4.4027	7.4200e-003	0.6359	4.0400e-003	0.6399	0.1687	3.7200e-003	0.1724		577.8988	577.8988	0.0340		578.6131
Total	**0.6338**	**2.2559**	**7.8898**	**0.0123**	**0.7816**	**0.0425**	**0.8241**	**0.2100**	**0.0391**	**0.2491**		**1,061.1621**	**1,061.1621**	**0.0371**		**1,061.9410**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.0419	43.3437	35.7363	0.0561		3.2393	3.2393		3.0466	3.0466	0.0000	5,547.5869	5,547.5869	1.4053		5,577.0987
Total	**6.0419**	**43.3437**	**35.7363**	**0.0561**		**3.2393**	**3.2393**		**3.0466**	**3.0466**	**0.0000**	**5,547.5869**	**5,547.5869**	**1.4053**		**5,577.0987**

3.4 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2742	1.8694	3.4871	4.9200e-003	0.1457	0.0385	0.1842	0.0413	0.0354	0.0767		483.2633	483.2633	3.0800e-003		483.3279
Worker	0.3596	0.3865	4.4027	7.4200e-003	0.6359	4.0400e-003	0.6399	0.1687	3.7200e-003	0.1724		577.8988	577.8988	0.0340		578.6131
Total	**0.6338**	**2.2559**	**7.8898**	**0.0123**	**0.7816**	**0.0425**	**0.8241**	**0.2100**	**0.0391**	**0.2491**		**1,061.1621**	**1,061.1621**	**0.0371**		**1,061.9410**

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1975	46.7291	34.7172	0.0561		2.7180	2.7180		2.5588	2.5588		5,483.4680	5,483.4680	1.3856		5,512.5659
Total	**5.1975**	**46.7291**	**34.7172**	**0.0561**		**2.7180**	**2.7180**		**2.5588**	**2.5588**		**5,483.4680**	**5,483.4680**	**1.3856**		**5,512.5659**

3.4 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2442	1.7005	3.2235	4.9100e-003	0.1456	0.0360	0.1817	0.0413	0.0331	0.0744		474.6006	474.6006	3.0200e-003		474.6640
Worker	0.3250	0.3545	4.0012	7.4100e-003	0.6359	3.9700e-003	0.6398	0.1687	3.6800e-003	0.1723		555.6263	555.6263	0.0317		556.2927
Total	**0.5692**	**2.0550**	**7.2247**	**0.0123**	**0.7815**	**0.0400**	**0.8215**	**0.2100**	**0.0368**	**0.2468**		**1,030.2269**	**1,030.2269**	**0.0348**		**1,030.9567**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1975	37.3833	34.7172	0.0561		2.7180	2.7180		2.5588	2.5588	0.0000	5,483.4680	5,483.4680	1.3856		5,512.5659
Total	**5.1975**	**37.3833**	**34.7172**	**0.0561**		**2.7180**	**2.7180**		**2.5588**	**2.5588**	**0.0000**	**5,483.4680**	**5,483.4680**	**1.3856**		**5,512.5659**

3.4 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2442	1.7005	3.2235	4.9100e-003	0.1456	0.0360	0.1817	0.0413	0.0331	0.0744		474.6006	474.6006	3.0200e-003		474.6640
Worker	0.3250	0.3545	4.0012	7.4100e-003	0.6359	3.9700e-003	0.6398	0.1687	3.6800e-003	0.1723		555.6263	555.6263	0.0317		556.2927
Total	**0.5692**	**2.0550**	**7.2247**	**0.0123**	**0.7815**	**0.0400**	**0.8215**	**0.2100**	**0.0368**	**0.2468**		**1,030.2269**	**1,030.2269**	**0.0348**		**1,030.9567**

3.5 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9471	28.9677	21.2767	0.0317		1.6913	1.6913		1.5734	1.5734		3,135.6080	3,135.6080	0.8592		3,153.6502
Paving	0.2131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.1602**	**28.9677**	**21.2767**	**0.0317**		**1.6913**	**1.6913**		**1.5734**	**1.5734**		**3,135.6080**	**3,135.6080**	**0.8592**		**3,153.6502**

3.5 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1198	0.1306	1.4741	2.7300e-003	0.2343	1.4600e-003	0.2357	0.0621	1.3500e-003	0.0635		204.7044	204.7044	0.0117		204.9499
Total	**0.1198**	**0.1306**	**1.4741**	**2.7300e-003**	**0.2343**	**1.4600e-003**	**0.2357**	**0.0621**	**1.3500e-003**	**0.0635**		**204.7044**	**204.7044**	**0.0117**		**204.9499**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9471	23.1741	21.2767	0.0317		1.6913	1.6913		1.5734	1.5734	0.0000	3,135.6080	3,135.6080	0.8592		3,153.6502
Paving	0.2131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.1602**	**23.1741**	**21.2767**	**0.0317**		**1.6913**	**1.6913**		**1.5734**	**1.5734**	**0.0000**	**3,135.6080**	**3,135.6080**	**0.8592**		**3,153.6502**

3.5 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1198	0.1306	1.4741	2.7300e-003	0.2343	1.4600e-003	0.2357	0.0621	1.3500e-003	0.0635		204.7044	204.7044	0.0117		204.9499
Total	**0.1198**	**0.1306**	**1.4741**	**2.7300e-003**	**0.2343**	**1.4600e-003**	**0.2357**	**0.0621**	**1.3500e-003**	**0.0635**		**204.7044**	**204.7044**	**0.0117**		**204.9499**

3.6 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	66.3825					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3296	2.5304	2.6593	4.2100e-003		0.1651	0.1651		0.1639	0.1639		406.1453	406.1453	0.0656		407.5221
Total	**66.7121**	**2.5304**	**2.6593**	**4.2100e-003**		**0.1651**	**0.1651**		**0.1639**	**0.1639**		**406.1453**	**406.1453**	**0.0656**		**407.5221**

3.6 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2566	0.2799	3.1589	5.8500e-003	1.8109	3.1400e-003	1.8140	0.4544	2.9000e-003	0.4573		438.6523	438.6523	0.0251		439.1784
Total	**0.2566**	**0.2799**	**3.1589**	**5.8500e-003**	**1.8109**	**3.1400e-003**	**1.8140**	**0.4544**	**2.9000e-003**	**0.4573**		**438.6523**	**438.6523**	**0.0251**		**439.1784**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	66.3825					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3296	2.0243	2.6593	4.2100e-003		0.1651	0.1651		0.1639	0.1639	0.0000	406.1453	406.1453	0.0656		407.5221
Total	**66.7121**	**2.0243**	**2.6593**	**4.2100e-003**		**0.1651**	**0.1651**		**0.1639**	**0.1639**	**0.0000**	**406.1453**	**406.1453**	**0.0656**		**407.5221**

3.6 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2566	0.2799	3.1589	5.8500e-003	1.8109	3.1400e-003	1.8140	0.4544	2.9000e-003	0.4573		438.6523	438.6523	0.0251		439.1784
Total	**0.2566**	**0.2799**	**3.1589**	**5.8500e-003**	**1.8109**	**3.1400e-003**	**1.8140**	**0.4544**	**2.9000e-003**	**0.4573**		**438.6523**	**438.6523**	**0.0251**		**439.1784**

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	3.6292	6.9318	32.6827	0.0528	3.3721	0.1114	3.4835	0.9003	0.1026	1.0029		4,226.7543	4,226.7543	0.1657		4,230.2337
Unmitigated	3.6292	6.9318	32.6827	0.0528	3.3721	0.1114	3.4835	0.9003	0.1026	1.0029		4,226.7543	4,226.7543	0.1657		4,230.2337

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	970.00	561.50	60.50	1,278,385	1,278,385
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	970.00	561.50	60.50	1,278,385	1,278,385

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
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Parking Lot	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.470808	0.065208	0.167521	0.156577	0.039284	0.006365	0.011828	0.073190	0.001405	0.001202	0.003716	0.000539	0.002359

5.0 Energy Detail

4.4 Fleet Mix

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	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154
NaturalGas Unmitigated	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	1993.15	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154
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
Total		**0.0215**	**0.1954**	**0.1641**	**1.1700e-003**		**0.0149**	**0.0149**		**0.0149**	**0.0149**		**234.4883**	**234.4883**	**4.4900e-003**	**4.3000e-003**	**235.9154**

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					
Junior College (2Yr)	1.99315	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0215**	**0.1954**	**0.1641**	**1.1700e-003**		**0.0149**	**0.0149**		**0.0149**	**0.0149**		**234.4883**	**234.4883**	**4.4900e-003**	**4.3000e-003**	**235.9154**

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	3.9801	2.0000e-004	0.0218	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0462	0.0462	1.3000e-004		0.0488
Unmitigated	3.9801	2.0000e-004	0.0218	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0462	0.0462	1.3000e-004		0.0488

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	0.6062					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.3718					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0600e-003	2.0000e-004	0.0218	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0462	0.0462	1.3000e-004		0.0488
Total	**3.9801**	**2.0000e-004**	**0.0218**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0462**	**0.0462**	**1.3000e-004**		**0.0488**

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	0.6062					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.3718					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0600e-003	2.0000e-004	0.0218	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0462	0.0462	1.3000e-004		0.0488
Total	**3.9801**	**2.0000e-004**	**0.0218**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0462**	**0.0462**	**1.3000e-004**		**0.0488**

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 Vegetation

College of the Desert, West Valley Campus Phase 1

Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	50.00	1000sqft	9.15	50,000.00	0
Other Asphalt Surfaces	1.00	Acre	1.00	43,560.00	0
Parking Lot	160.00	Space	1.44	64,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase I development of the COD West Valley Campus, Palm Springs California.

Land Use - Phase 1 development includes demolition of the existing mall, construction of 50,000 sf of educational space, and 160 parking reconfiguired parking spaces and internal streets.

Construction Phase - Assumes a 18 month buildout for Phase 1.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT - Hauling trips based on demo estimate from Demo Unlimited Inc.

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition - Demolition material assumptions based on info provided by Demo Unlimted Inc., assumes 650 loads (12 tons) const. mat. and 885 loads (15 tons) concrete. See DEIR.

Grading - Material import assumptions provided by MSA Consulting. Assumptions further discussed in EIR.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Road Dust - All roads are paved.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Vehicle Trips - Trip rate was adjusted to reflect results of Traffic Report. Phase I = 970 daily trips: 50 (1,000's) SF x 19. = 970 trips.

Table Name	Column Name	Default Value	New Value
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tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00

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tblGrading	AcresOfGrading	67.50	11.59
tblGrading	MaterialImported	0.00	30,000.00
tblLandUse	LotAcreage	1.15	9.15
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
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tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
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tblRoadDust	RoadPercentPave	50	100
tblTripsAndVMT	HaulingTripNumber	2,084.00	1,535.00
tblTripsAndVMT	HaulingTripNumber	3,750.00	1,250.00
tblTripsAndVMT	VendorTripNumber	26.00	30.00
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tblTripsAndVMT	WorkerTripNumber	13.00	15.00
tblTripsAndVMT	WorkerTripNumber	13.00	15.00
tblTripsAndVMT	WorkerTripNumber	13.00	15.00
tblTripsAndVMT	WorkerTripNumber	13.00	15.00
tblVehicleTrips	WD_TR	27.49	19.40

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					
2017	6.6151	66.1595	47.5000	0.0780	11.2868	3.4178	14.4268	2.7389	3.1458	5.8847	0.0000	7,776.5234	7,776.5234	1.5730	0.0000	7,809.5560
2018	66.9030	48.9184	42.1637	0.0678	1.8109	2.7585	3.5400	0.4544	2.5961	2.8060	0.0000	6,467.9818	6,467.9818	1.4205	0.0000	6,497.8127
Total	**73.5181**	**115.0779**	**89.6636**	**0.1458**	**13.0977**	**6.1763**	**17.9668**	**3.1933**	**5.7418**	**8.6907**	**0.0000**	**14,244.5052**	**14,244.5052**	**2.9935**	**0.0000**	**14,307.3687**

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					
2017	6.6151	54.1608	47.5000	0.0780	4.9346	3.4178	8.0746	1.1942	3.1458	4.3400	0.0000	7,776.5234	7,776.5234	1.5730	0.0000	7,809.5560
2018	66.9030	39.5726	42.1637	0.0678	1.8109	2.7585	3.5400	0.4544	2.5961	2.8060	0.0000	6,467.9818	6,467.9818	1.4205	0.0000	6,497.8127
Total	**73.5181**	**93.7334**	**89.6636**	**0.1458**	**6.7455**	**6.1763**	**11.6146**	**1.6486**	**5.7418**	**7.1460**	**0.0000**	**14,244.5052**	**14,244.5052**	**2.9935**	**0.0000**	**14,307.3687**

	ROG	NOx	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**	**18.55**	**0.00**	**0.00**	**48.50**	**0.00**	**35.36**	**48.37**	**0.00**	**17.77**	**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	3.9801	2.0000e-004	0.0218	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0462	0.0462	1.3000e-004		0.0488
Energy	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154
Mobile	3.0143	7.4381	34.0714	0.0501	3.3721	0.1122	3.4844	0.9003	0.1034	1.0036		4,022.0451	4,022.0451	0.1663		4,025.5372
Total	**7.0158**	**7.6337**	**34.2573**	**0.0512**	**3.3721**	**0.1272**	**3.4993**	**0.9003**	**0.1183**	**1.0186**		**4,256.5796**	**4,256.5796**	**0.1709**	**4.3000e-003**	**4,261.5014**

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	3.9801	2.0000e-004	0.0218	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0462	0.0462	1.3000e-004		0.0488
Energy	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154
Mobile	3.0143	7.4381	34.0714	0.0501	3.3721	0.1122	3.4844	0.9003	0.1034	1.0036		4,022.0451	4,022.0451	0.1663		4,025.5372
Total	**7.0158**	**7.6337**	**34.2573**	**0.0512**	**3.3721**	**0.1272**	**3.4993**	**0.9003**	**0.1183**	**1.0186**		**4,256.5796**	**4,256.5796**	**0.1709**	**4.3000e-003**	**4,261.5014**

	ROG	NOx	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	1/1/2017	3/3/2017	5	45	
2	Grading	Grading	3/4/2017	5/5/2017	5	45	
3	Building Construction	Building Construction	5/6/2017	3/9/2018	5	220	
4	Paving	Paving	3/10/2018	4/20/2018	5	30	
5	Architectural Coating	Architectural Coating	4/21/2018	5/18/2018	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 11.59

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 143,220; Non-Residential Outdoor: 47,740 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40
Demolition	Rubber Tired Loaders	2	6.00	199	0.36

Demolition	Signal Boards	1	6.00	6	0.82
Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42
Grading	Plate Compactors	1	6.00	8	0.43
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45
Paving	Concrete/Industrial Saws	1	6.00	81	0.73

Paving	Graders	1	6.00	174	0.41
Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	1	6.00	6	0.82
Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	13	33.00	0.00	1,535.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	13	33.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	76.00	30.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	11	28.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					10.4134	0.0000	10.4134	1.5769	0.0000	1.5769			0.0000			0.0000
Off-Road	5.4701	58.2022	36.6142	0.0511		2.9725	2.9725		2.7540	2.7540		5,181.7649	5,181.7649	1.4831		5,212.9101
Total	**5.4701**	**58.2022**	**36.6142**	**0.0511**	**10.4134**	**2.9725**	**13.3859**	**1.5769**	**2.7540**	**4.3308**		**5,181.7649**	**5,181.7649**	**1.4831**		**5,212.9101**

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6149	7.3438	8.9879	0.0239	0.5973	0.1658	0.7630	0.1638	0.1525	0.3163		2,362.0445	2,362.0445	0.0132		2,362.3212
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1166	0.1861	1.5772	2.9800e-003	0.2761	1.7500e-003	0.2779	0.0732	1.6200e-003	0.0749		232.7141	232.7141	0.0148		233.0242
Total	**0.7315**	**7.5299**	**10.5652**	**0.0268**	**0.8734**	**0.1675**	**1.0409**	**0.2370**	**0.1541**	**0.3911**		**2,594.7586**	**2,594.7586**	**0.0280**		**2,595.3455**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.0612	0.0000	4.0612	0.6150	0.0000	0.6150			0.0000			0.0000
Off-Road	5.4701	46.5617	36.6142	0.0511		2.9725	2.9725		2.7540	2.7540	0.0000	5,181.7649	5,181.7649	1.4831		5,212.9101
Total	**5.4701**	**46.5617**	**36.6142**	**0.0511**	**4.0612**	**2.9725**	**7.0337**	**0.6150**	**2.7540**	**3.3689**	**0.0000**	**5,181.7649**	**5,181.7649**	**1.4831**		**5,212.9101**

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6149	7.3438	8.9879	0.0239	0.5973	0.1658	0.7630	0.1638	0.1525	0.3163		2,362.0445	2,362.0445	0.0132		2,362.3212
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1166	0.1861	1.5772	2.9800e-003	0.2761	1.7500e-003	0.2779	0.0732	1.6200e-003	0.0749		232.7141	232.7141	0.0148		233.0242
Total	**0.7315**	**7.5299**	**10.5652**	**0.0268**	**0.8734**	**0.1675**	**1.0409**	**0.2370**	**0.1541**	**0.3911**		**2,594.7586**	**2,594.7586**	**0.0280**		**2,595.3455**

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9225	0.0000	4.9225	2.5323	0.0000	2.5323			0.0000			0.0000
Off-Road	5.7119	59.9930	38.6036	0.0500		3.2811	3.2811		3.0200	3.0200		5,092.1083	5,092.1083	1.5475		5,124.6054
Total	**5.7119**	**59.9930**	**38.6036**	**0.0500**	**4.9225**	**3.2811**	**8.2035**	**2.5323**	**3.0200**	**5.5523**		**5,092.1083**	**5,092.1083**	**1.5475**		**5,124.6054**

3.3 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5007	5.9803	7.3192	0.0194	0.4864	0.1350	0.6213	0.1334	0.1242	0.2575		1,923.4890	1,923.4890	0.0107		1,923.7144
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1166	0.1861	1.5772	2.9800e-003	0.2761	1.7500e-003	0.2779	0.0732	1.6200e-003	0.0749		232.7141	232.7141	0.0148		233.0242
Total	**0.6173**	**6.1664**	**8.8964**	**0.0224**	**0.7625**	**0.1367**	**0.8992**	**0.2066**	**0.1258**	**0.3324**		**2,156.2031**	**2,156.2031**	**0.0255**		**2,156.7386**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.9198	0.0000	1.9198	0.9876	0.0000	0.9876			0.0000			0.0000
Off-Road	5.7119	47.9944	38.6036	0.0500		3.2811	3.2811		3.0200	3.0200	0.0000	5,092.1083	5,092.1083	1.5475		5,124.6054
Total	**5.7119**	**47.9944**	**38.6036**	**0.0500**	**1.9198**	**3.2811**	**5.2008**	**0.9876**	**3.0200**	**4.0076**	**0.0000**	**5,092.1083**	**5,092.1083**	**1.5475**		**5,124.6054**

3.3 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5007	5.9803	7.3192	0.0194	0.4864	0.1350	0.6213	0.1334	0.1242	0.2575		1,923.4890	1,923.4890	0.0107		1,923.7144
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1166	0.1861	1.5772	2.9800e-003	0.2761	1.7500e-003	0.2779	0.0732	1.6200e-003	0.0749		232.7141	232.7141	0.0148		233.0242
Total	**0.6173**	**6.1664**	**8.8964**	**0.0224**	**0.7625**	**0.1367**	**0.8992**	**0.2066**	**0.1258**	**0.3324**		**2,156.2031**	**2,156.2031**	**0.0255**		**2,156.7386**

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.0419	54.1797	35.7363	0.0561		3.2393	3.2393		3.0466	3.0466		5,547.5869	5,547.5869	1.4053		5,577.0987
Total	**6.0419**	**54.1797**	**35.7363**	**0.0561**		**3.2393**	**3.2393**		**3.0466**	**3.0466**		**5,547.5869**	**5,547.5869**	**1.4053**		**5,577.0987**

3.4 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3047	1.9783	4.4022	4.8800e-003	0.1457	0.0390	0.1847	0.0413	0.0358	0.0772		477.8762	477.8762	3.2300e-003		477.9440
Worker	0.2686	0.4286	3.6324	6.8600e-003	0.6359	4.0400e-003	0.6399	0.1687	3.7200e-003	0.1724		535.9476	535.9476	0.0340		536.6619
Total	**0.5733**	**2.4069**	**8.0347**	**0.0117**	**0.7816**	**0.0430**	**0.8246**	**0.2100**	**0.0396**	**0.2495**		**1,013.8238**	**1,013.8238**	**0.0372**		**1,014.6059**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.0419	43.3437	35.7363	0.0561		3.2393	3.2393		3.0466	3.0466	0.0000	5,547.5869	5,547.5869	1.4053		5,577.0987
Total	**6.0419**	**43.3437**	**35.7363**	**0.0561**		**3.2393**	**3.2393**		**3.0466**	**3.0466**	**0.0000**	**5,547.5869**	**5,547.5869**	**1.4053**		**5,577.0987**

3.4 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3047	1.9783	4.4022	4.8800e-003	0.1457	0.0390	0.1847	0.0413	0.0358	0.0772		477.8762	477.8762	3.2300e-003		477.9440
Worker	0.2686	0.4286	3.6324	6.8600e-003	0.6359	4.0400e-003	0.6399	0.1687	3.7200e-003	0.1724		535.9476	535.9476	0.0340		536.6619
Total	**0.5733**	**2.4069**	**8.0347**	**0.0117**	**0.7816**	**0.0430**	**0.8246**	**0.2100**	**0.0396**	**0.2495**		**1,013.8238**	**1,013.8238**	**0.0372**		**1,014.6059**

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1975	46.7291	34.7172	0.0561		2.7180	2.7180		2.5588	2.5588		5,483.4680	5,483.4680	1.3856		5,512.5659
Total	**5.1975**	**46.7291**	**34.7172**	**0.0561**		**2.7180**	**2.7180**		**2.5588**	**2.5588**		**5,483.4680**	**5,483.4680**	**1.3856**		**5,512.5659**

3.4 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2711	1.7969	4.1514	4.8700e-003	0.1456	0.0365	0.1822	0.0413	0.0336	0.0749		469.2900	469.2900	3.1700e-003		469.3567
Worker	0.2418	0.3924	3.2951	6.8600e-003	0.6359	3.9700e-003	0.6398	0.1687	3.6800e-003	0.1723		515.2237	515.2237	0.0317		515.8901
Total	**0.5129**	**2.1893**	**7.4464**	**0.0117**	**0.7815**	**0.0405**	**0.8220**	**0.2100**	**0.0373**	**0.2472**		**984.5138**	**984.5138**	**0.0349**		**985.2468**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1975	37.3833	34.7172	0.0561		2.7180	2.7180		2.5588	2.5588	0.0000	5,483.4680	5,483.4680	1.3856		5,512.5659
Total	**5.1975**	**37.3833**	**34.7172**	**0.0561**		**2.7180**	**2.7180**		**2.5588**	**2.5588**	**0.0000**	**5,483.4680**	**5,483.4680**	**1.3856**		**5,512.5659**

3.4 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2711	1.7969	4.1514	4.8700e-003	0.1456	0.0365	0.1822	0.0413	0.0336	0.0749		469.2900	469.2900	3.1700e-003		469.3567
Worker	0.2418	0.3924	3.2951	6.8600e-003	0.6359	3.9700e-003	0.6398	0.1687	3.6800e-003	0.1723		515.2237	515.2237	0.0317		515.8901
Total	**0.5129**	**2.1893**	**7.4464**	**0.0117**	**0.7815**	**0.0405**	**0.8220**	**0.2100**	**0.0373**	**0.2472**		**984.5138**	**984.5138**	**0.0349**		**985.2468**

3.5 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9471	28.9677	21.2767	0.0317		1.6913	1.6913		1.5734	1.5734		3,135.6080	3,135.6080	0.8592		3,153.6502
Paving	0.2131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.1602**	**28.9677**	**21.2767**	**0.0317**		**1.6913**	**1.6913**		**1.5734**	**1.5734**		**3,135.6080**	**3,135.6080**	**0.8592**		**3,153.6502**

3.5 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0891	0.1446	1.2140	2.5300e-003	0.2343	1.4600e-003	0.2357	0.0621	1.3500e-003	0.0635		189.8193	189.8193	0.0117		190.0648
Total	**0.0891**	**0.1446**	**1.2140**	**2.5300e-003**	**0.2343**	**1.4600e-003**	**0.2357**	**0.0621**	**1.3500e-003**	**0.0635**		**189.8193**	**189.8193**	**0.0117**		**190.0648**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9471	23.1741	21.2767	0.0317		1.6913	1.6913		1.5734	1.5734	0.0000	3,135.6080	3,135.6080	0.8592		3,153.6502
Paving	0.2131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.1602**	**23.1741**	**21.2767**	**0.0317**		**1.6913**	**1.6913**		**1.5734**	**1.5734**	**0.0000**	**3,135.6080**	**3,135.6080**	**0.8592**		**3,153.6502**

3.5 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0891	0.1446	1.2140	2.5300e-003	0.2343	1.4600e-003	0.2357	0.0621	1.3500e-003	0.0635		189.8193	189.8193	0.0117		190.0648
Total	**0.0891**	**0.1446**	**1.2140**	**2.5300e-003**	**0.2343**	**1.4600e-003**	**0.2357**	**0.0621**	**1.3500e-003**	**0.0635**		**189.8193**	**189.8193**	**0.0117**		**190.0648**

3.6 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	66.3825					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3296	2.5304	2.6593	4.2100e-003		0.1651	0.1651		0.1639	0.1639		406.1453	406.1453	0.0656		407.5221
Total	**66.7121**	**2.5304**	**2.6593**	**4.2100e-003**		**0.1651**	**0.1651**		**0.1639**	**0.1639**		**406.1453**	**406.1453**	**0.0656**		**407.5221**

3.6 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1909	0.3098	2.6014	5.4200e-003	1.8109	3.1400e-003	1.8140	0.4544	2.9000e-003	0.4573		406.7556	406.7556	0.0251		407.2817
Total	**0.1909**	**0.3098**	**2.6014**	**5.4200e-003**	**1.8109**	**3.1400e-003**	**1.8140**	**0.4544**	**2.9000e-003**	**0.4573**		**406.7556**	**406.7556**	**0.0251**		**407.2817**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	66.3825					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3296	2.0243	2.6593	4.2100e-003		0.1651	0.1651		0.1639	0.1639	0.0000	406.1453	406.1453	0.0656		407.5221
Total	**66.7121**	**2.0243**	**2.6593**	**4.2100e-003**		**0.1651**	**0.1651**		**0.1639**	**0.1639**	**0.0000**	**406.1453**	**406.1453**	**0.0656**		**407.5221**

3.6 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1909	0.3098	2.6014	5.4200e-003	1.8109	3.1400e-003	1.8140	0.4544	2.9000e-003	0.4573		406.7556	406.7556	0.0251		407.2817
Total	**0.1909**	**0.3098**	**2.6014**	**5.4200e-003**	**1.8109**	**3.1400e-003**	**1.8140**	**0.4544**	**2.9000e-003**	**0.4573**		**406.7556**	**406.7556**	**0.0251**		**407.2817**

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	3.0143	7.4381	34.0714	0.0501	3.3721	0.1122	3.4844	0.9003	0.1034	1.0036		4,022.0451	4,022.0451	0.1663		4,025.5372
Unmitigated	3.0143	7.4381	34.0714	0.0501	3.3721	0.1122	3.4844	0.9003	0.1034	1.0036		4,022.0451	4,022.0451	0.1663		4,025.5372

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	970.00	561.50	60.50	1,278,385	1,278,385
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	970.00	561.50	60.50	1,278,385	1,278,385

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
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Parking Lot	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.470808	0.065208	0.167521	0.156577	0.039284	0.006365	0.011828	0.073190	0.001405	0.001202	0.003716	0.000539	0.002359

5.0 Energy Detail

4.4 Fleet Mix

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	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154
NaturalGas Unmitigated	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	1993.15	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154
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
Total		**0.0215**	**0.1954**	**0.1641**	**1.1700e-003**		**0.0149**	**0.0149**		**0.0149**	**0.0149**		**234.4883**	**234.4883**	**4.4900e-003**	**4.3000e-003**	**235.9154**

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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	1.99315	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154
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
Total		**0.0215**	**0.1954**	**0.1641**	**1.1700e-003**		**0.0149**	**0.0149**		**0.0149**	**0.0149**		**234.4883**	**234.4883**	**4.4900e-003**	**4.3000e-003**	**235.9154**

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	3.9801	2.0000e-004	0.0218	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0462	0.0462	1.3000e-004		0.0488
Unmitigated	3.9801	2.0000e-004	0.0218	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0462	0.0462	1.3000e-004		0.0488

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	0.6062					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.3718					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0600e-003	2.0000e-004	0.0218	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0462	0.0462	1.3000e-004		0.0488
Total	**3.9801**	**2.0000e-004**	**0.0218**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0462**	**0.0462**	**1.3000e-004**		**0.0488**

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	0.6062					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.3718					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0600e-003	2.0000e-004	0.0218	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0462	0.0462	1.3000e-004		0.0488
Total	**3.9801**	**2.0000e-004**	**0.0218**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0462**	**0.0462**	**1.3000e-004**		**0.0488**

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 Vegetation

College of the Desert, West Valley Campus Phase 2

Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	240.00		2.16	96,000.00	0
Junior College (2Yr)	50.00	1000sqft	2.15	50,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase II development of the COD West Valley Campus, Palm Springs California.

Land Use - Land use assumptions based on project Master Plan. 1 acre was added to college footprint to account for landscaping.

Construction Phase - Assumes a 13 month buildout for Phase 2.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT - Hauling trips based on demo estimate from Demo Unlimited Inc.

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition - Demolition material assumptions based on info provided by Demo Unlimted Inc., assumes 650 loads (12 tons) const. mat. and 885 loads (15 tons) concrete. See DEIR.

Grading - Specifics of Phase 2 development grading are currently unknown. The sites cut/fill total was applied to Phase 1 with demo of the PS Mall. To be conservative, it is assumed that 10,000 CY will be imported.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Trip rates were not provided for Phase II in the Traffic Report. Therefore, default ITE trip rates for a Junior College were assumed.

Road Dust - All roads are paved.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
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tblConstructionPhase	NumDays	18.00	20.00
tblConstructionPhase	NumDays	8.00	10.00
tblConstructionPhase	NumDays	18.00	20.00
tblConstructionPhase	PhaseEndDate	1/27/2020	1/28/2020
tblConstructionPhase	PhaseStartDate	12/31/2019	1/1/2020
tblGrading	AcresOfGrading	15.00	4.00
tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	LotAcreage	1.15	2.15
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	6.00

tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
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tblOnRoadDust	HaulingPercentPave	50.00	100.00
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tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
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tblOnRoadDust	HaulingPercentPave	50.00	100.00
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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

tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2021
tblRoadDust	RoadPercentPave	50	100
tblTripsAndVMT	WorkerTripNumber	33.00	15.00
tblTripsAndVMT	WorkerTripNumber	35.00	20.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.6472	5.6975	5.1042	8.6400e-003	0.1101	0.3117	0.4218	0.0355	0.2928	0.3283	0.0000	741.7471	741.7471	0.1615	0.0000	745.1387
2020	0.3718	0.0237	0.0459	9.0000e-005	0.0143	1.2400e-003	0.0155	3.5900e-003	1.2300e-003	4.8200e-003	0.0000	6.5268	6.5268	7.1000e-004	0.0000	6.5418
Total	**1.0190**	**5.7211**	**5.1501**	**8.7300e-003**	**0.1244**	**0.3130**	**0.4373**	**0.0391**	**0.2940**	**0.3331**	**0.0000**	**748.2739**	**748.2739**	**0.1622**	**0.0000**	**751.6805**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.6472	4.6273	5.1042	8.6400e-003	0.0944	0.3117	0.4061	0.0277	0.2928	0.3205	0.0000	741.7464	741.7464	0.1615	0.0000	745.1380
2020	0.3718	0.0193	0.0459	9.0000e-005	0.0143	1.2400e-003	0.0155	3.5900e-003	1.2300e-003	4.8200e-003	0.0000	6.5268	6.5268	7.1000e-004	0.0000	6.5418
Total	**1.0190**	**4.6466**	**5.1501**	**8.7300e-003**	**0.1087**	**0.3130**	**0.4217**	**0.0313**	**0.2940**	**0.3253**	**0.0000**	**748.2732**	**748.2732**	**0.1622**	**0.0000**	**751.6798**

	ROG	NOx	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**	**18.78**	**0.00**	**0.00**	**12.60**	**0.00**	**3.58**	**19.94**	**0.00**	**2.34**	**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	tons/yr										MT/yr					
Area	0.6317	2.0000e-005	2.6800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.1800e-003	5.1800e-003	1.0000e-005	0.0000	5.4700e-003
Energy	3.9200e-003	0.0357	0.0300	2.1000e-004		2.7100e-003	2.7100e-003		2.7100e-003	2.7100e-003	0.0000	189.7695	189.7695	7.6800e-003	2.1500e-003	190.5965
Mobile	0.5426	1.1750	5.6678	0.0104	0.6693	0.0207	0.6900	0.1788	0.0191	0.1979	0.0000	723.9717	723.9717	0.0280	0.0000	724.5600
Waste						0.0000	0.0000		0.0000	0.0000	13.1944	0.0000	13.1944	0.7798	0.0000	29.5695
Water						0.0000	0.0000		0.0000	0.0000	0.7781	21.3338	22.1118	0.0809	2.0900e-003	24.4584
Total	**1.1783**	**1.2107**	**5.7005**	**0.0106**	**0.6693**	**0.0235**	**0.6927**	**0.1788**	**0.0218**	**0.2007**	**13.9725**	**935.0801**	**949.0526**	**0.8964**	**4.2400e-003**	**969.1899**

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	0.6317	2.0000e-005	2.6800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.1800e-003	5.1800e-003	1.0000e-005	0.0000	5.4700e-003
Energy	3.9200e-003	0.0357	0.0300	2.1000e-004		2.7100e-003	2.7100e-003		2.7100e-003	2.7100e-003	0.0000	189.7695	189.7695	7.6800e-003	2.1500e-003	190.5965
Mobile	0.5426	1.1750	5.6678	0.0104	0.6693	0.0207	0.6900	0.1788	0.0191	0.1979	0.0000	723.9717	723.9717	0.0280	0.0000	724.5600
Waste						0.0000	0.0000		0.0000	0.0000	13.1944	0.0000	13.1944	0.7798	0.0000	29.5695
Water						0.0000	0.0000		0.0000	0.0000	0.7781	21.3338	22.1118	0.0809	2.0900e-003	24.4572
Total	**1.1783**	**1.2107**	**5.7005**	**0.0106**	**0.6693**	**0.0235**	**0.6927**	**0.1788**	**0.0218**	**0.2007**	**13.9725**	**935.0801**	**949.0526**	**0.8964**	**4.2400e-003**	**969.1887**

	ROG	NOx	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	Grading	Grading	1/1/2019	1/14/2019	5	10	
2	Building Construction	Building Construction	1/15/2019	12/2/2019	5	230	
3	Paving	Paving	12/3/2019	12/30/2019	5	20	
4	Architectural Coating	Architectural Coating	1/1/2020	1/28/2020	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 79,320; Non-Residential Outdoor: 26,440 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40
Demolition	Rubber Tired Loaders	2	6.00	199	0.36
Demolition	Signal Boards	1	6.00	6	0.82
Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42
Grading	Plate Compactors	1	6.00	8	0.43
Grading	Rubber Tired Dozers	1	6.00	255	0.40

Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45
Paving	Concrete/Industrial Saws	1	6.00	81	0.73
Paving	Graders	1	6.00	174	0.41
Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	1	6.00	6	0.82
Paving	Sweepers/Scrubbers	1	6.00	64	0.46

Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	13	15.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	61.00	24.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	14	20.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	12.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	12.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	12.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	12.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0257	0.0000	0.0257	0.0128	0.0000	0.0128	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0232	0.2380	0.1751	2.5000e-004		0.0128	0.0128		0.0118	0.0118	0.0000	22.3598	22.3598	7.0100e-003	0.0000	22.5071
Total	**0.0232**	**0.2380**	**0.1751**	**2.5000e-004**	**0.0257**	**0.0128**	**0.0385**	**0.0128**	**0.0118**	**0.0245**	**0.0000**	**22.3598**	**22.3598**	**7.0100e-003**	**0.0000**	**22.5071**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.3000e-003	0.1109	0.1345	4.4000e-004	0.0108	2.9200e-003	0.0138	2.9700e-003	2.6900e-003	5.6600e-003	0.0000	37.9778	37.9778	2.1000e-004	0.0000	37.9823
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	3.5000e-004	3.2600e-003	1.0000e-005	6.2000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.4698	0.4698	3.0000e-005	0.0000	0.4704
Total	**9.5400e-003**	**0.1113**	**0.1378**	**4.5000e-004**	**0.0115**	**2.9200e-003**	**0.0144**	**3.1300e-003**	**2.6900e-003**	**5.8300e-003**	**0.0000**	**38.4476**	**38.4476**	**2.4000e-004**	**0.0000**	**38.4527**

3.2 Grading - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0100	0.0000	0.0100	4.9900e-003	0.0000	4.9900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0232	0.1907	0.1751	2.5000e-004		0.0128	0.0128		0.0118	0.0118	0.0000	22.3598	22.3598	7.0100e-003	0.0000	22.5070
Total	**0.0232**	**0.1907**	**0.1751**	**2.5000e-004**	**0.0100**	**0.0128**	**0.0228**	**4.9900e-003**	**0.0118**	**0.0167**	**0.0000**	**22.3598**	**22.3598**	**7.0100e-003**	**0.0000**	**22.5070**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.3000e-003	0.1109	0.1345	4.4000e-004	0.0108	2.9200e-003	0.0138	2.9700e-003	2.6900e-003	5.6600e-003	0.0000	37.9778	37.9778	2.1000e-004	0.0000	37.9823
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	3.5000e-004	3.2600e-003	1.0000e-005	6.2000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.4698	0.4698	3.0000e-005	0.0000	0.4704
Total	**9.5400e-003**	**0.1113**	**0.1378**	**4.5000e-004**	**0.0115**	**2.9200e-003**	**0.0144**	**3.1300e-003**	**2.6900e-003**	**5.8300e-003**	**0.0000**	**38.4476**	**38.4476**	**2.4000e-004**	**0.0000**	**38.4527**

3.3 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5379	4.8723	3.9351	6.4500e-003		0.2756	0.2756		0.2594	0.2594	0.0000	565.4831	565.4831	0.1427	0.0000	568.4797
Total	**0.5379**	**4.8723**	**3.9351**	**6.4500e-003**		**0.2756**	**0.2756**		**0.2594**	**0.2594**	**0.0000**	**565.4831**	**565.4831**	**0.1427**	**0.0000**	**568.4797**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0209	0.1499	0.3033	4.5000e-004	0.0133	3.1000e-003	0.0164	3.7600e-003	2.8500e-003	6.6100e-003	0.0000	38.7201	38.7201	2.5000e-004	0.0000	38.7254
Worker	0.0222	0.0324	0.3054	6.7000e-004	0.0580	3.7000e-004	0.0584	0.0154	3.4000e-004	0.0157	0.0000	43.9419	43.9419	2.5100e-003	0.0000	43.9946
Total	**0.0431**	**0.1822**	**0.6087**	**1.1200e-003**	**0.0713**	**3.4700e-003**	**0.0747**	**0.0192**	**3.1900e-003**	**0.0224**	**0.0000**	**82.6620**	**82.6620**	**2.7600e-003**	**0.0000**	**82.7200**

3.3 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5379	3.9059	3.9351	6.4500e-003		0.2756	0.2756		0.2594	0.2594	0.0000	565.4825	565.4825	0.1427	0.0000	568.4790
Total	**0.5379**	**3.9059**	**3.9351**	**6.4500e-003**		**0.2756**	**0.2756**		**0.2594**	**0.2594**	**0.0000**	**565.4825**	**565.4825**	**0.1427**	**0.0000**	**568.4790**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0209	0.1499	0.3033	4.5000e-004	0.0133	3.1000e-003	0.0164	3.7600e-003	2.8500e-003	6.6100e-003	0.0000	38.7201	38.7201	2.5000e-004	0.0000	38.7254
Worker	0.0222	0.0324	0.3054	6.7000e-004	0.0580	3.7000e-004	0.0584	0.0154	3.4000e-004	0.0157	0.0000	43.9419	43.9419	2.5100e-003	0.0000	43.9946
Total	**0.0431**	**0.1822**	**0.6087**	**1.1200e-003**	**0.0713**	**3.4700e-003**	**0.0747**	**0.0192**	**3.1900e-003**	**0.0224**	**0.0000**	**82.6620**	**82.6620**	**2.7600e-003**	**0.0000**	**82.7200**

3.4 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0302	0.2928	0.2388	3.6000e-004		0.0169	0.0169		0.0158	0.0158	0.0000	31.5418	31.5418	8.7200e-003	0.0000	31.7249
Paving	2.8300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0330**	**0.2928**	**0.2388**	**3.6000e-004**		**0.0169**	**0.0169**		**0.0158**	**0.0158**	**0.0000**	**31.5418**	**31.5418**	**8.7200e-003**	**0.0000**	**31.7249**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.3000e-004	9.2000e-004	8.7100e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.2528	1.2528	7.0000e-005	0.0000	1.2543
Total	**6.3000e-004**	**9.2000e-004**	**8.7100e-003**	**2.0000e-005**	**1.6500e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.2528**	**1.2528**	**7.0000e-005**	**0.0000**	**1.2543**

3.4 Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0302	0.2363	0.2388	3.6000e-004		0.0169	0.0169		0.0158	0.0158	0.0000	31.5418	31.5418	8.7200e-003	0.0000	31.7249
Paving	2.8300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0330**	**0.2363**	**0.2388**	**3.6000e-004**		**0.0169**	**0.0169**		**0.0158**	**0.0158**	**0.0000**	**31.5418**	**31.5418**	**8.7200e-003**	**0.0000**	**31.7249**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.3000e-004	9.2000e-004	8.7100e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.2528	1.2528	7.0000e-005	0.0000	1.2543
Total	**6.3000e-004**	**9.2000e-004**	**8.7100e-003**	**2.0000e-005**	**1.6500e-003**	**1.0000e-005**	**1.6600e-003**	**4.4000e-004**	**1.0000e-005**	**4.5000e-004**	**0.0000**	**1.2528**	**1.2528**	**7.0000e-005**	**0.0000**	**1.2543**

3.5 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3677					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7100e-003	0.0216	0.0264	4.0000e-005		1.2200e-003	1.2200e-003		1.2100e-003	1.2100e-003	0.0000	3.6421	3.6421	5.5000e-004	0.0000	3.6537
Total	**0.3704**	**0.0216**	**0.0264**	**4.0000e-005**		**1.2200e-003**	**1.2200e-003**		**1.2100e-003**	**1.2100e-003**	**0.0000**	**3.6421**	**3.6421**	**5.5000e-004**	**0.0000**	**3.6537**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4200e-003	2.0700e-003	0.0195	5.0000e-005	0.0143	3.0000e-005	0.0143	3.5900e-003	2.0000e-005	3.6100e-003	0.0000	2.8847	2.8847	1.6000e-004	0.0000	2.8881
Total	**1.4200e-003**	**2.0700e-003**	**0.0195**	**5.0000e-005**	**0.0143**	**3.0000e-005**	**0.0143**	**3.5900e-003**	**2.0000e-005**	**3.6100e-003**	**0.0000**	**2.8847**	**2.8847**	**1.6000e-004**	**0.0000**	**2.8881**

3.5 Architectural Coating - 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					
Archit. Coating	0.3677					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7100e-003	0.0173	0.0264	4.0000e-005		1.2200e-003	1.2200e-003		1.2100e-003	1.2100e-003	0.0000	3.6421	3.6421	5.5000e-004	0.0000	3.6537
Total	**0.3704**	**0.0173**	**0.0264**	**4.0000e-005**		**1.2200e-003**	**1.2200e-003**		**1.2100e-003**	**1.2100e-003**	**0.0000**	**3.6421**	**3.6421**	**5.5000e-004**	**0.0000**	**3.6537**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4200e-003	2.0700e-003	0.0195	5.0000e-005	0.0143	3.0000e-005	0.0143	3.5900e-003	2.0000e-005	3.6100e-003	0.0000	2.8847	2.8847	1.6000e-004	0.0000	2.8881
Total	**1.4200e-003**	**2.0700e-003**	**0.0195**	**5.0000e-005**	**0.0143**	**3.0000e-005**	**0.0143**	**3.5900e-003**	**2.0000e-005**	**3.6100e-003**	**0.0000**	**2.8847**	**2.8847**	**1.6000e-004**	**0.0000**	**2.8881**

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	0.5426	1.1750	5.6678	0.0104	0.6693	0.0207	0.6900	0.1788	0.0191	0.1979	0.0000	723.9717	723.9717	0.0280	0.0000	724.5600
Unmitigated	0.5426	1.1750	5.6678	0.0104	0.6693	0.0207	0.6900	0.1788	0.0191	0.1979	0.0000	723.9717	723.9717	0.0280	0.0000	724.5600

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	1,374.50	561.50	60.50	1,750,888	1,750,888
Total	1,374.50	561.50	60.50	1,750,888	1,750,888

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
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.470072	0.065402	0.168902	0.158101	0.038677	0.006237	0.011529	0.071911	0.001380	0.001204	0.003651	0.000525	0.002410

4.4 Fleet Mix

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	150.9473	150.9473	6.9400e-003	1.4400e-003	151.5381
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	150.9473	150.9473	6.9400e-003	1.4400e-003	151.5381
NaturalGas Mitigated	3.9200e-003	0.0357	0.0300	2.1000e-004		2.7100e-003	2.7100e-003		2.7100e-003	2.7100e-003	0.0000	38.8222	38.8222	7.4000e-004	7.1000e-004	39.0584
NaturalGas Unmitigated	3.9200e-003	0.0357	0.0300	2.1000e-004		2.7100e-003	2.7100e-003		2.7100e-003	2.7100e-003	0.0000	38.8222	38.8222	7.4000e-004	7.1000e-004	39.0584

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					
Junior College (2Yr)	727500	3.9200e-003	0.0357	0.0300	2.1000e-004		2.7100e-003	2.7100e-003		2.7100e-003	2.7100e-003	0.0000	38.8222	38.8222	7.4000e-004	7.1000e-004	39.0584
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.9200e-003**	**0.0357**	**0.0300**	**2.1000e-004**		**2.7100e-003**	**2.7100e-003**		**2.7100e-003**	**2.7100e-003**	**0.0000**	**38.8222**	**38.8222**	**7.4000e-004**	**7.1000e-004**	**39.0584**

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					
Junior College (2Yr)	727500	3.9200e-003	0.0357	0.0300	2.1000e-004		2.7100e-003	2.7100e-003		2.7100e-003	2.7100e-003	0.0000	38.8222	38.8222	7.4000e-004	7.1000e-004	39.0584
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.9200e-003**	**0.0357**	**0.0300**	**2.1000e-004**		**2.7100e-003**	**2.7100e-003**		**2.7100e-003**	**2.7100e-003**	**0.0000**	**38.8222**	**38.8222**	**7.4000e-004**	**7.1000e-004**	**39.0584**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	443000	126.7719	5.8300e-003	1.2100e-003	127.2681
Parking Lot	84480	24.1754	1.1100e-003	2.3000e-004	24.2700
Total		**150.9473**	**6.9400e-003**	**1.4400e-003**	**151.5381**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	443000	126.7719	5.8300e-003	1.2100e-003	127.2681
Parking Lot	84480	24.1754	1.1100e-003	2.3000e-004	24.2700
Total		**150.9473**	**6.9400e-003**	**1.4400e-003**	**151.5381**

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	0.6317	2.0000e-005	2.6800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.1800e-003	5.1800e-003	1.0000e-005	0.0000	5.4700e-003
Unmitigated	0.6317	2.0000e-005	2.6800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.1800e-003	5.1800e-003	1.0000e-005	0.0000	5.4700e-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	0.0613					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5702					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	5.1800e-003	5.1800e-003	1.0000e-005	0.0000	5.4700e-003
Total	**0.6317**	**2.0000e-005**	**2.6800e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.1800e-003**	**5.1800e-003**	**1.0000e-005**	**0.0000**	**5.4700e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0613					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5702					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	5.1800e-003	5.1800e-003	1.0000e-005	0.0000	5.4700e-003
Total	**0.6317**	**2.0000e-005**	**2.6800e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.1800e-003**	**5.1800e-003**	**1.0000e-005**	**0.0000**	**5.4700e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	22.1118	0.0809	2.0900e-003	24.4572
Unmitigated	22.1118	0.0809	2.0900e-003	24.4584

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	2.45245 / 3.83589	22.1118	0.0809	2.0900e-003	24.4584
Total		**22.1118**	**0.0809**	**2.0900e-003**	**24.4584**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	2.45245 / 3.83589	22.1118	0.0809	2.0900e-003	24.4572
Total		**22.1118**	**0.0809**	**2.0900e-003**	**24.4572**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	13.1944	0.7798	0.0000	29.5695
Unmitigated	13.1944	0.7798	0.0000	29.5695

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	65	13.1944	0.7798	0.0000	29.5695
Total		**13.1944**	**0.7798**	**0.0000**	**29.5695**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	65	13.1944	0.7798	0.0000	29.5695
Total		**13.1944**	**0.7798**	**0.0000**	**29.5695**

9.0 Operational Offroad

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

10.0 Vegetation

College of the Desert, West Valley Campus Phase 2

Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	240.00		2.16	96,000.00	0
Junior College (2Yr)	50.00	1000sqft	2.15	50,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase II development of the COD West Valley Campus, Palm Springs California.

Land Use - Land use assumptions based on project Master Plan. 1 acre was added to college footprint to account for landscaping.

Construction Phase - Assumes a 13 month buildout for Phase 2.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT - Hauling trips based on demo estimate from Demo Unlimited Inc.

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition - Demolition material assumptions based on info provided by Demo Unlimted Inc., assumes 650 loads (12 tons) const. mat. and 885 loads (15 tons) concrete. See DEIR.

Grading - Specifics of Phase 2 development grading are currently unknown. The sites cut/fill total was applied to Phase 1 with demo of the PS Mall. To be conservative, it is assumed that 10,000 CY will be imported.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Trip rates were not provided for Phase II in the Traffic Report. Therefore, default ITE trip rates for a Junior College were assumed.

Road Dust - All roads are paved.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstructionPhase	NumDays	18.00	20.00
tblConstructionPhase	NumDays	8.00	10.00
tblConstructionPhase	NumDays	18.00	20.00
tblConstructionPhase	PhaseEndDate	1/27/2020	1/28/2020
tblConstructionPhase	PhaseStartDate	12/31/2019	1/1/2020
tblGrading	AcresOfGrading	15.00	4.00
tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	LotAcreage	1.15	2.15
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	6.00

tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
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	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	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

tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2021
tblRoadDust	RoadPercentPave	50	100
tblTripsAndVMT	WorkerTripNumber	33.00	15.00
tblTripsAndVMT	WorkerTripNumber	35.00	20.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	6.5236	68.4769	61.0923	0.1387	7.4540	3.1361	10.5901	3.1921	2.8866	6.0787	0.0000	13,416.5565	13,416.5565	1.5991	0.0000	13,450.1376
2020	37.2114	2.3527	4.8221	8.8900e-003	1.4487	0.1240	1.5727	0.3635	0.1230	0.4865	0.0000	725.5539	725.5539	0.0787	0.0000	727.2058
Total	**43.7351**	**70.8297**	**65.9144**	**0.1476**	**8.9027**	**3.2601**	**12.1629**	**3.5557**	**3.0096**	**6.5652**	**0.0000**	**14,142.1104**	**14,142.1104**	**1.6778**	**0.0000**	**14,177.3434**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	6.5236	59.0275	61.0923	0.1387	4.3187	3.1361	7.4548	1.6314	2.8866	4.5179	0.0000	13,416.5565	13,416.5565	1.5991	0.0000	13,450.1376
2020	37.2114	1.9209	4.8221	8.8900e-003	1.4487	0.1240	1.5727	0.3635	0.1230	0.4865	0.0000	725.5539	725.5539	0.0787	0.0000	727.2058
Total	**43.7351**	**60.9484**	**65.9144**	**0.1476**	**5.7674**	**3.2601**	**9.0275**	**1.9949**	**3.0096**	**5.0045**	**0.0000**	**14,142.1104**	**14,142.1104**	**1.6778**	**0.0000**	**14,177.3434**

	ROG	NOx	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**	**13.95**	**0.00**	**0.00**	**35.22**	**0.00**	**25.78**	**43.90**	**0.00**	**23.77**	**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	3.4629	2.7000e-004	0.0297	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0635	0.0635	1.7000e-004		0.0670
Energy	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154
Mobile	4.5060	7.8950	40.7837	0.0745	4.7767	0.1460	4.9227	1.2751	0.1345	1.4096		5,710.2261	5,710.2261	0.2177		5,714.7982
Total	**7.9904**	**8.0907**	**40.9776**	**0.0757**	**4.7767**	**0.1609**	**4.9377**	**1.2751**	**0.1495**	**1.4246**		**5,944.7779**	**5,944.7779**	**0.2224**	**4.3000e-003**	**5,950.7806**

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	3.4629	2.7000e-004	0.0297	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0635	0.0635	1.7000e-004		0.0670
Energy	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154
Mobile	4.5060	7.8950	40.7837	0.0745	4.7767	0.1460	4.9227	1.2751	0.1345	1.4096		5,710.2261	5,710.2261	0.2177		5,714.7982
Total	**7.9904**	**8.0907**	**40.9776**	**0.0757**	**4.7767**	**0.1609**	**4.9377**	**1.2751**	**0.1495**	**1.4246**		**5,944.7779**	**5,944.7779**	**0.2224**	**4.3000e-003**	**5,950.7806**

	ROG	NOx	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	Grading	Grading	1/1/2019	1/14/2019	5	10	
2	Building Construction	Building Construction	1/15/2019	12/2/2019	5	230	
3	Paving	Paving	12/3/2019	12/30/2019	5	20	
4	Architectural Coating	Architectural Coating	1/1/2020	1/28/2020	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 79,320; Non-Residential Outdoor: 26,440 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40
Demolition	Rubber Tired Loaders	2	6.00	199	0.36
Demolition	Signal Boards	1	6.00	6	0.82

Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42
Grading	Plate Compactors	1	6.00	8	0.43
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45
Paving	Concrete/Industrial Saws	1	6.00	81	0.73
Paving	Graders	1	6.00	174	0.41

Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	1	6.00	6	0.82
Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	13	15.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	61.00	24.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	14	20.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	12.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	12.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	12.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	12.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.1399	0.0000	5.1399	2.5586	0.0000	2.5586			0.0000			0.0000
Off-Road	4.6292	47.5978	35.0273	0.0500		2.5520	2.5520		2.3492	2.3492		4,929.4871	4,929.4871	1.5463		4,961.9590
Total	**4.6292**	**47.5978**	**35.0273**	**0.0500**	**5.1399**	**2.5520**	**7.6919**	**2.5586**	**2.3492**	**4.9079**		**4,929.4871**	**4,929.4871**	**1.5463**		**4,961.9590**

3.2 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8356	20.8145	25.3349	0.0873	2.1886	0.5834	2.7720	0.6002	0.5366	1.1368		8,381.5157	8,381.5157	0.0469		8,382.5007
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0589	0.0647	0.7301	1.4600e-003	0.1255	7.9000e-004	0.1263	0.0333	7.3000e-004	0.0340		105.5537	105.5537	5.9200e-003		105.6780
Total	**1.8944**	**20.8791**	**26.0650**	**0.0887**	**2.3141**	**0.5842**	**2.8983**	**0.6335**	**0.5374**	**1.1709**		**8,487.0694**	**8,487.0694**	**0.0528**		**8,488.1787**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0046	0.0000	2.0046	0.9979	0.0000	0.9979			0.0000			0.0000
Off-Road	4.6292	38.1484	35.0273	0.0500		2.5520	2.5520		2.3492	2.3492	0.0000	4,929.4871	4,929.4871	1.5463		4,961.9590
Total	**4.6292**	**38.1484**	**35.0273**	**0.0500**	**2.0046**	**2.5520**	**4.5565**	**0.9979**	**2.3492**	**3.3471**	**0.0000**	**4,929.4871**	**4,929.4871**	**1.5463**		**4,961.9590**

3.2 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8356	20.8145	25.3349	0.0873	2.1886	0.5834	2.7720	0.6002	0.5366	1.1368		8,381.5157	8,381.5157	0.0469		8,382.5007
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0589	0.0647	0.7301	1.4600e-003	0.1255	7.9000e-004	0.1263	0.0333	7.3000e-004	0.0340		105.5537	105.5537	5.9200e-003		105.6780
Total	**1.8944**	**20.8791**	**26.0650**	**0.0887**	**2.3141**	**0.5842**	**2.8983**	**0.6335**	**0.5374**	**1.1709**		**8,487.0694**	**8,487.0694**	**0.0528**		**8,488.1787**

3.3 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6769	42.3678	34.2182	0.0561		2.3969	2.3969		2.2555	2.2555		5,420.3343	5,420.3343	1.3678		5,449.0575
Total	**4.6769**	**42.3678**	**34.2182**	**0.0561**		**2.3969**	**2.3969**		**2.2555**	**2.2555**		**5,420.3343**	**5,420.3343**	**1.3678**		**5,449.0575**

3.3 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1788	1.2452	2.4292	3.9200e-003	0.1165	0.0268	0.1432	0.0330	0.0246	0.0576		372.9029	372.9029	2.3700e-003		372.9527
Worker	0.2394	0.2629	2.9693	5.9400e-003	0.5104	3.1900e-003	0.5136	0.1354	2.9600e-003	0.1383		429.2517	429.2517	0.0241		429.7572
Total	**0.4182**	**1.5081**	**5.3984**	**9.8600e-003**	**0.6268**	**0.0300**	**0.6568**	**0.1684**	**0.0276**	**0.1960**		**802.1546**	**802.1546**	**0.0264**		**802.7099**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6769	33.9644	34.2182	0.0561		2.3969	2.3969		2.2555	2.2555	0.0000	5,420.3343	5,420.3343	1.3678		5,449.0575
Total	**4.6769**	**33.9644**	**34.2182**	**0.0561**		**2.3969**	**2.3969**		**2.2555**	**2.2555**	**0.0000**	**5,420.3343**	**5,420.3343**	**1.3678**		**5,449.0575**

3.3 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1788	1.2452	2.4292	3.9200e-003	0.1165	0.0268	0.1432	0.0330	0.0246	0.0576		372.9029	372.9029	2.3700e-003		372.9527
Worker	0.2394	0.2629	2.9693	5.9400e-003	0.5104	3.1900e-003	0.5136	0.1354	2.9600e-003	0.1383		429.2517	429.2517	0.0241		429.7572
Total	**0.4182**	**1.5081**	**5.3984**	**9.8600e-003**	**0.6268**	**0.0300**	**0.6568**	**0.1684**	**0.0276**	**0.1960**		**802.1546**	**802.1546**	**0.0264**		**802.7099**

3.4 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0166	29.2769	23.8775	0.0359		1.6935	1.6935		1.5749	1.5749		3,476.8895	3,476.8895	0.9612		3,497.0755
Paving	0.2830					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.2996**	**29.2769**	**23.8775**	**0.0359**		**1.6935**	**1.6935**		**1.5749**	**1.5749**		**3,476.8895**	**3,476.8895**	**0.9612**		**3,497.0755**

3.4 Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0785	0.0862	0.9735	1.9500e-003	0.1673	1.0500e-003	0.1684	0.0444	9.7000e-004	0.0454		140.7383	140.7383	7.8900e-003		140.9040
Total	**0.0785**	**0.0862**	**0.9735**	**1.9500e-003**	**0.1673**	**1.0500e-003**	**0.1684**	**0.0444**	**9.7000e-004**	**0.0454**		**140.7383**	**140.7383**	**7.8900e-003**		**140.9040**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0166	23.6254	23.8775	0.0359		1.6935	1.6935		1.5749	1.5749	0.0000	3,476.8895	3,476.8895	0.9612		3,497.0755
Paving	0.2830					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.2996**	**23.6254**	**23.8775**	**0.0359**		**1.6935**	**1.6935**		**1.5749**	**1.5749**	**0.0000**	**3,476.8895**	**3,476.8895**	**0.9612**		**3,497.0755**

3.4 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0785	0.0862	0.9735	1.9500e-003	0.1673	1.0500e-003	0.1684	0.0444	9.7000e-004	0.0454		140.7383	140.7383	7.8900e-003		140.9040
Total	**0.0785**	**0.0862**	**0.9735**	**1.9500e-003**	**0.1673**	**1.0500e-003**	**0.1684**	**0.0444**	**9.7000e-004**	**0.0454**		**140.7383**	**140.7383**	**7.8900e-003**		**140.9040**

3.5 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	36.7648					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2714	2.1589	2.6391	4.2100e-003		0.1215	0.1215		0.1207	0.1207		401.4770	401.4770	0.0606		402.7498
Total	**37.0362**	**2.1589**	**2.6391**	**4.2100e-003**		**0.1215**	**0.1215**		**0.1207**	**0.1207**		**401.4770**	**401.4770**	**0.0606**		**402.7498**

3.5 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1752	0.1938	2.1830	4.6700e-003	1.4487	2.5200e-003	1.4512	0.3635	2.3300e-003	0.3659		324.0769	324.0769	0.0181		324.4560
Total	**0.1752**	**0.1938**	**2.1830**	**4.6700e-003**	**1.4487**	**2.5200e-003**	**1.4512**	**0.3635**	**2.3300e-003**	**0.3659**		**324.0769**	**324.0769**	**0.0181**		**324.4560**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	36.7648					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2714	1.7271	2.6391	4.2100e-003		0.1215	0.1215		0.1207	0.1207	0.0000	401.4770	401.4770	0.0606		402.7498
Total	**37.0362**	**1.7271**	**2.6391**	**4.2100e-003**		**0.1215**	**0.1215**		**0.1207**	**0.1207**	**0.0000**	**401.4770**	**401.4770**	**0.0606**		**402.7498**

3.5 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1752	0.1938	2.1830	4.6700e-003	1.4487	2.5200e-003	1.4512	0.3635	2.3300e-003	0.3659		324.0769	324.0769	0.0181		324.4560
Total	**0.1752**	**0.1938**	**2.1830**	**4.6700e-003**	**1.4487**	**2.5200e-003**	**1.4512**	**0.3635**	**2.3300e-003**	**0.3659**		**324.0769**	**324.0769**	**0.0181**		**324.4560**

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	4.5060	7.8950	40.7837	0.0745	4.7767	0.1460	4.9227	1.2751	0.1345	1.4096		5,710.2261	5,710.2261	0.2177		5,714.7982
Unmitigated	4.5060	7.8950	40.7837	0.0745	4.7767	0.1460	4.9227	1.2751	0.1345	1.4096		5,710.2261	5,710.2261	0.2177		5,714.7982

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	1,374.50	561.50	60.50	1,750,888	1,750,888
Total	1,374.50	561.50	60.50	1,750,888	1,750,888

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
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.470072	0.065402	0.168902	0.158101	0.038677	0.006237	0.011529	0.071911	0.001380	0.001204	0.003651	0.000525	0.002410

4.4 Fleet Mix

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	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154
NaturalGas Unmitigated	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154

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					
Junior College (2Yr)	1993.15	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0215**	**0.1954**	**0.1641**	**1.1700e-003**		**0.0149**	**0.0149**		**0.0149**	**0.0149**		**234.4883**	**234.4883**	**4.4900e-003**	**4.3000e-003**	**235.9154**

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					
Junior College (2Yr)	1.99315	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0215**	**0.1954**	**0.1641**	**1.1700e-003**		**0.0149**	**0.0149**		**0.0149**	**0.0149**		**234.4883**	**234.4883**	**4.4900e-003**	**4.3000e-003**	**235.9154**

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	3.4629	2.7000e-004	0.0297	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0635	0.0635	1.7000e-004		0.0670
Unmitigated	3.4629	2.7000e-004	0.0297	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0635	0.0635	1.7000e-004		0.0670

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	0.3358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.1244					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.7800e-003	2.7000e-004	0.0297	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0635	0.0635	1.7000e-004		0.0670
Total	**3.4629**	**2.7000e-004**	**0.0297**	**0.0000**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**		**0.0635**	**0.0635**	**1.7000e-004**		**0.0670**

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	0.3358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.1244					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.7800e-003	2.7000e-004	0.0297	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0635	0.0635	1.7000e-004		0.0670
Total	**3.4629**	**2.7000e-004**	**0.0297**	**0.0000**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**		**0.0635**	**0.0635**	**1.7000e-004**		**0.0670**

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 Vegetation

College of the Desert, West Valley Campus Phase 2

Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	240.00		2.16	96,000.00	0
Junior College (2Yr)	50.00	1000sqft	2.15	50,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase II development of the COD West Valley Campus, Palm Springs California.

Land Use - Land use assumptions based on project Master Plan. 1 acre was added to college footprint to account for landscaping.

Construction Phase - Assumes a 13 month buildout for Phase 2.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT - Hauling trips based on demo estimate from Demo Unlimited Inc.

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition - Demolition material assumptions based on info provided by Demo Unlimted Inc., assumes 650 loads (12 tons) const. mat. and 885 loads (15 tons) concrete. See DEIR.

Grading - Specifics of Phase 2 development grading are currently unknown. The sites cut/fill total was applied to Phase 1 with demo of the PS Mall. To be conservative, it is assumed that 10,000 CY will be imported.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Trip rates were not provided for Phase II in the Traffic Report. Therefore, default ITE trip rates for a Junior College were assumed.

Road Dust - All roads are paved.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Table Name	Column Name	Default Value	New Value
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tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
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tblConstructionPhase	NumDays	18.00	20.00
tblConstructionPhase	NumDays	8.00	10.00
tblConstructionPhase	NumDays	18.00	20.00
tblConstructionPhase	PhaseEndDate	1/27/2020	1/28/2020
tblConstructionPhase	PhaseStartDate	12/31/2019	1/1/2020
tblGrading	AcresOfGrading	15.00	4.00
tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	LotAcreage	1.15	2.15
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	UsageHours	8.00	6.00
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tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00

tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2021
tblRoadDust	RoadPercentPave	50	100
tblTripsAndVMT	WorkerTripNumber	33.00	15.00
tblTripsAndVMT	WorkerTripNumber	35.00	20.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	6.6545	70.1393	66.7164	0.1385	7.4540	3.1372	10.5912	3.1921	2.8876	6.0797	0.0000	13,387.8219	13,387.8219	1.6001	0.0000	13,421.4240
2020	37.1669	2.3731	4.4319	8.5400e-003	1.4487	0.1240	1.5727	0.3635	0.1230	0.4865	0.0000	701.9079	701.9079	0.0787	0.0000	703.5598
Total	**43.8215**	**72.5123**	**71.1483**	**0.1470**	**8.9027**	**3.2612**	**12.1639**	**3.5557**	**3.0105**	**6.5662**	**0.0000**	**14,089.7297**	**14,089.7297**	**1.6788**	**0.0000**	**14,124.9837**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	6.6545	60.6898	66.7164	0.1385	4.3187	3.1372	7.4558	1.6314	2.8876	4.5189	0.0000	13,387.8219	13,387.8219	1.6001	0.0000	13,421.4239
2020	37.1669	1.9413	4.4319	8.5400e-003	1.4487	0.1240	1.5727	0.3635	0.1230	0.4865	0.0000	701.9079	701.9079	0.0787	0.0000	703.5598
Total	**43.8215**	**62.6311**	**71.1483**	**0.1470**	**5.7674**	**3.2612**	**9.0286**	**1.9949**	**3.0105**	**5.0054**	**0.0000**	**14,089.7297**	**14,089.7297**	**1.6788**	**0.0000**	**14,124.9837**

	ROG	NOx	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**	**13.63**	**0.00**	**0.00**	**35.22**	**0.00**	**25.78**	**43.90**	**0.00**	**23.77**	**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	3.4629	2.7000e-004	0.0297	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0635	0.0635	1.7000e-004		0.0670
Energy	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154
Mobile	3.7093	8.4668	43.2300	0.0706	4.7767	0.1470	4.9237	1.2751	0.1354	1.4106		5,433.9532	5,433.9532	0.2186		5,438.5440
Total	**7.1937**	**8.6625**	**43.4239**	**0.0718**	**4.7767**	**0.1619**	**4.9387**	**1.2751**	**0.1504**	**1.4255**		**5,668.5050**	**5,668.5050**	**0.2233**	**4.3000e-003**	**5,674.5264**

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	3.4629	2.7000e-004	0.0297	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0635	0.0635	1.7000e-004		0.0670
Energy	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154
Mobile	3.7093	8.4668	43.2300	0.0706	4.7767	0.1470	4.9237	1.2751	0.1354	1.4106		5,433.9532	5,433.9532	0.2186		5,438.5440
Total	**7.1937**	**8.6625**	**43.4239**	**0.0718**	**4.7767**	**0.1619**	**4.9387**	**1.2751**	**0.1504**	**1.4255**		**5,668.5050**	**5,668.5050**	**0.2233**	**4.3000e-003**	**5,674.5264**

	ROG	NOx	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	Grading	Grading	1/1/2019	1/14/2019	5	10	
2	Building Construction	Building Construction	1/15/2019	12/2/2019	5	230	
3	Paving	Paving	12/3/2019	12/30/2019	5	20	
4	Architectural Coating	Architectural Coating	1/1/2020	1/28/2020	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 79,320; Non-Residential Outdoor: 26,440 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40
Demolition	Rubber Tired Loaders	2	6.00	199	0.36
Demolition	Signal Boards	1	6.00	6	0.82

Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42
Grading	Plate Compactors	1	6.00	8	0.43
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45
Paving	Concrete/Industrial Saws	1	6.00	81	0.73
Paving	Graders	1	6.00	174	0.41

Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	1	6.00	6	0.82
Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	13	15.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	61.00	24.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	14	20.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	12.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	12.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	12.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	12.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.1399	0.0000	5.1399	2.5586	0.0000	2.5586			0.0000			0.0000
Off-Road	4.6292	47.5978	35.0273	0.0500		2.5520	2.5520		2.3492	2.3492		4,929.4871	4,929.4871	1.5463		4,961.9590
Total	**4.6292**	**47.5978**	**35.0273**	**0.0500**	**5.1399**	**2.5520**	**7.6919**	**2.5586**	**2.3492**	**4.9079**		**4,929.4871**	**4,929.4871**	**1.5463**		**4,961.9590**

3.2 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.9816	22.4700	31.0889	0.0871	2.1886	0.5844	2.7730	0.6002	0.5376	1.1378		8,360.4703	8,360.4703	0.0479		8,361.4763
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0438	0.0715	0.6002	1.3500e-003	0.1255	7.9000e-004	0.1263	0.0333	7.3000e-004	0.0340		97.8644	97.8644	5.9200e-003		97.9887
Total	**2.0254**	**22.5414**	**31.6891**	**0.0885**	**2.3141**	**0.5852**	**2.8993**	**0.6335**	**0.5383**	**1.1718**		**8,458.3348**	**8,458.3348**	**0.0538**		**8,459.4650**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0046	0.0000	2.0046	0.9979	0.0000	0.9979			0.0000			0.0000
Off-Road	4.6292	38.1484	35.0273	0.0500		2.5520	2.5520		2.3492	2.3492	0.0000	4,929.4871	4,929.4871	1.5463		4,961.9590
Total	**4.6292**	**38.1484**	**35.0273**	**0.0500**	**2.0046**	**2.5520**	**4.5565**	**0.9979**	**2.3492**	**3.3471**	**0.0000**	**4,929.4871**	**4,929.4871**	**1.5463**		**4,961.9590**

3.2 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.9816	22.4700	31.0889	0.0871	2.1886	0.5844	2.7730	0.6002	0.5376	1.1378		8,360.4703	8,360.4703	0.0479		8,361.4763
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0438	0.0715	0.6002	1.3500e-003	0.1255	7.9000e-004	0.1263	0.0333	7.3000e-004	0.0340		97.8644	97.8644	5.9200e-003		97.9887
Total	**2.0254**	**22.5414**	**31.6891**	**0.0885**	**2.3141**	**0.5852**	**2.8993**	**0.6335**	**0.5383**	**1.1718**		**8,458.3348**	**8,458.3348**	**0.0538**		**8,459.4650**

3.3 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6769	42.3678	34.2182	0.0561		2.3969	2.3969		2.2555	2.2555		5,420.3343	5,420.3343	1.3678		5,449.0575
Total	**4.6769**	**42.3678**	**34.2182**	**0.0561**		**2.3969**	**2.3969**		**2.2555**	**2.2555**		**5,420.3343**	**5,420.3343**	**1.3678**		**5,449.0575**

3.3 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1983	1.3136	3.1701	3.8800e-003	0.1165	0.0271	0.1436	0.0330	0.0249	0.0580		368.7157	368.7157	2.4900e-003		368.7681
Worker	0.1780	0.2907	2.4408	5.5000e-003	0.5104	3.1900e-003	0.5136	0.1354	2.9600e-003	0.1383		397.9819	397.9819	0.0241		398.4875
Total	**0.3763**	**1.6043**	**5.6109**	**9.3800e-003**	**0.6268**	**0.0303**	**0.6571**	**0.1684**	**0.0279**	**0.1963**		**766.6977**	**766.6977**	**0.0266**		**767.2556**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6769	33.9644	34.2182	0.0561		2.3969	2.3969		2.2555	2.2555	0.0000	5,420.3343	5,420.3343	1.3678		5,449.0575
Total	**4.6769**	**33.9644**	**34.2182**	**0.0561**		**2.3969**	**2.3969**		**2.2555**	**2.2555**	**0.0000**	**5,420.3343**	**5,420.3343**	**1.3678**		**5,449.0575**

3.3 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1983	1.3136	3.1701	3.8800e-003	0.1165	0.0271	0.1436	0.0330	0.0249	0.0580		368.7157	368.7157	2.4900e-003		368.7681
Worker	0.1780	0.2907	2.4408	5.5000e-003	0.5104	3.1900e-003	0.5136	0.1354	2.9600e-003	0.1383		397.9819	397.9819	0.0241		398.4875
Total	**0.3763**	**1.6043**	**5.6109**	**9.3800e-003**	**0.6268**	**0.0303**	**0.6571**	**0.1684**	**0.0279**	**0.1963**		**766.6977**	**766.6977**	**0.0266**		**767.2556**

3.4 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0166	29.2769	23.8775	0.0359		1.6935	1.6935		1.5749	1.5749		3,476.8895	3,476.8895	0.9612		3,497.0755
Paving	0.2830					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.2996**	**29.2769**	**23.8775**	**0.0359**		**1.6935**	**1.6935**		**1.5749**	**1.5749**		**3,476.8895**	**3,476.8895**	**0.9612**		**3,497.0755**

3.4 Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0584	0.0953	0.8003	1.8000e-003	0.1673	1.0500e-003	0.1684	0.0444	9.7000e-004	0.0454		130.4859	130.4859	7.8900e-003		130.6516
Total	**0.0584**	**0.0953**	**0.8003**	**1.8000e-003**	**0.1673**	**1.0500e-003**	**0.1684**	**0.0444**	**9.7000e-004**	**0.0454**		**130.4859**	**130.4859**	**7.8900e-003**		**130.6516**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0166	23.6254	23.8775	0.0359		1.6935	1.6935		1.5749	1.5749	0.0000	3,476.8895	3,476.8895	0.9612		3,497.0755
Paving	0.2830					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.2996**	**23.6254**	**23.8775**	**0.0359**		**1.6935**	**1.6935**		**1.5749**	**1.5749**	**0.0000**	**3,476.8895**	**3,476.8895**	**0.9612**		**3,497.0755**

3.4 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0584	0.0953	0.8003	1.8000e-003	0.1673	1.0500e-003	0.1684	0.0444	9.7000e-004	0.0454		130.4859	130.4859	7.8900e-003		130.6516
Total	**0.0584**	**0.0953**	**0.8003**	**1.8000e-003**	**0.1673**	**1.0500e-003**	**0.1684**	**0.0444**	**9.7000e-004**	**0.0454**		**130.4859**	**130.4859**	**7.8900e-003**		**130.6516**

3.5 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	36.7648					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2714	2.1589	2.6391	4.2100e-003		0.1215	0.1215		0.1207	0.1207		401.4770	401.4770	0.0606		402.7498
Total	**37.0362**	**2.1589**	**2.6391**	**4.2100e-003**		**0.1215**	**0.1215**		**0.1207**	**0.1207**		**401.4770**	**401.4770**	**0.0606**		**402.7498**

3.5 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1307	0.2142	1.7928	4.3300e-003	1.4487	2.5200e-003	1.4512	0.3635	2.3300e-003	0.3659		300.4309	300.4309	0.0181		300.8100
Total	**0.1307**	**0.2142**	**1.7928**	**4.3300e-003**	**1.4487**	**2.5200e-003**	**1.4512**	**0.3635**	**2.3300e-003**	**0.3659**		**300.4309**	**300.4309**	**0.0181**		**300.8100**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	36.7648					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2714	1.7271	2.6391	4.2100e-003		0.1215	0.1215		0.1207	0.1207	0.0000	401.4770	401.4770	0.0606		402.7498
Total	**37.0362**	**1.7271**	**2.6391**	**4.2100e-003**		**0.1215**	**0.1215**		**0.1207**	**0.1207**	**0.0000**	**401.4770**	**401.4770**	**0.0606**		**402.7498**

3.5 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1307	0.2142	1.7928	4.3300e-003	1.4487	2.5200e-003	1.4512	0.3635	2.3300e-003	0.3659		300.4309	300.4309	0.0181		300.8100
Total	**0.1307**	**0.2142**	**1.7928**	**4.3300e-003**	**1.4487**	**2.5200e-003**	**1.4512**	**0.3635**	**2.3300e-003**	**0.3659**		**300.4309**	**300.4309**	**0.0181**		**300.8100**

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	3.7093	8.4668	43.2300	0.0706	4.7767	0.1470	4.9237	1.2751	0.1354	1.4106		5,433.9532	5,433.9532	0.2186		5,438.5440
Unmitigated	3.7093	8.4668	43.2300	0.0706	4.7767	0.1470	4.9237	1.2751	0.1354	1.4106		5,433.9532	5,433.9532	0.2186		5,438.5440

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	1,374.50	561.50	60.50	1,750,888	1,750,888
Total	1,374.50	561.50	60.50	1,750,888	1,750,888

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
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.470072	0.065402	0.168902	0.158101	0.038677	0.006237	0.011529	0.071911	0.001380	0.001204	0.003651	0.000525	0.002410

4.4 Fleet Mix

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	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154
NaturalGas Unmitigated	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154

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					
Junior College (2Yr)	1993.15	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0215**	**0.1954**	**0.1641**	**1.1700e-003**		**0.0149**	**0.0149**		**0.0149**	**0.0149**		**234.4883**	**234.4883**	**4.4900e-003**	**4.3000e-003**	**235.9154**

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					
Junior College (2Yr)	1.99315	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0215**	**0.1954**	**0.1641**	**1.1700e-003**		**0.0149**	**0.0149**		**0.0149**	**0.0149**		**234.4883**	**234.4883**	**4.4900e-003**	**4.3000e-003**	**235.9154**

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	3.4629	2.7000e-004	0.0297	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0635	0.0635	1.7000e-004		0.0670
Unmitigated	3.4629	2.7000e-004	0.0297	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0635	0.0635	1.7000e-004		0.0670

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	0.3358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.1244					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.7800e-003	2.7000e-004	0.0297	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0635	0.0635	1.7000e-004		0.0670
Total	**3.4629**	**2.7000e-004**	**0.0297**	**0.0000**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**		**0.0635**	**0.0635**	**1.7000e-004**		**0.0670**

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	0.3358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.1244					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.7800e-003	2.7000e-004	0.0297	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0635	0.0635	1.7000e-004		0.0670
Total	**3.4629**	**2.7000e-004**	**0.0297**	**0.0000**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**		**0.0635**	**0.0635**	**1.7000e-004**		**0.0670**

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 Vegetation

College of the Desert, West Valley Campus Phase 3

Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Library	30.00	1000sqft	1.69	30,000.00	0
Parking Lot	250.00	Space	2.25	100,000.00	0
Junior College (2Yr)	50.00	1000sqft	2.15	50,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase III development of the COD West Valley Campus, Palm Springs California.

Land Use - Land use assumptions based on project Master Plan. 1 acre was added to college/library footprint to account for landscaping.

Construction Phase - Assumes a 18 month buildout for Phase III.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT - Hauling trips based on demo estimate from Demo Unlimited Inc.

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition - Demolition material assumptions based on info provided by Demo Unlimted Inc., assumes 650 loads (12 tons) const. mat. and 885 loads (15 tons) concrete. See DEIR.

Grading - Specifics of Phase 3 development grading are currently unknown. The sites cut/fill total was applied to Phase 1 with demo of the PS Mall. To be conservative, it is assumed that 10,000 CY will be imported.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Trip rates the College were not provided for Phase III in the Traffic Report. Therefore, default ITE trip rates for a Junior College were assumed. Trip rates were provided for the library, which is assumed for Phase III (54.66/1000 SF).

Road Dust - All roads are paved.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	230.00	300.00
tblConstructionPhase	NumDays	20.00	25.00
tblGrading	AcresOfGrading	30.00	6.09
tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	LotAcreage	0.69	1.69
tblLandUse	LotAcreage	1.15	2.15
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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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
tblProjectCharacteristics	OperationalYear	2014	2024
tblRoadDust	RoadPercentPave	50	100
tblTripsAndVMT	WorkerTripNumber	33.00	15.00
tblTripsAndVMT	WorkerTripNumber	28.00	15.00
tblVehicleTrips	WD_TR	56.24	54.66

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	0.5618	4.8586	5.1970	9.1700e-003	0.1545	0.2516	0.4061	0.0537	0.2361	0.2897	0.0000	768.6510	768.6510	0.1642	0.0000	772.0988
2022	0.7255	1.2155	1.4814	2.5800e-003	0.0511	0.0625	0.1137	0.0133	0.0587	0.0720	0.0000	214.2136	214.2136	0.0472	0.0000	215.2055
Total	**1.2873**	**6.0741**	**6.6784**	**0.0118**	**0.2057**	**0.3141**	**0.5198**	**0.0669**	**0.2948**	**0.3617**	**0.0000**	**982.8646**	**982.8646**	**0.2114**	**0.0000**	**987.3043**

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	0.5617	3.9384	5.1970	9.1700e-003	0.1244	0.2516	0.3760	0.0382	0.2361	0.2743	0.0000	768.6502	768.6502	0.1642	0.0000	772.0980
2022	0.7255	0.9811	1.4814	2.5800e-003	0.0511	0.0625	0.1136	0.0133	0.0587	0.0720	0.0000	214.2134	214.2134	0.0472	0.0000	215.2053
Total	**1.2873**	**4.9195**	**6.6784**	**0.0118**	**0.1755**	**0.3141**	**0.4897**	**0.0515**	**0.2948**	**0.3462**	**0.0000**	**982.8637**	**982.8637**	**0.2114**	**0.0000**	**987.3033**

	ROG	NOx	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**	**19.01**	**0.00**	**0.00**	**14.65**	**0.00**	**5.80**	**23.09**	**0.00**	**4.27**	**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	tons/yr										MT/yr					
Area	0.7995	3.0000e-005	3.0300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.9000e-003	5.9000e-003	2.0000e-005	0.0000	6.2200e-003
Energy	9.3100e-003	0.0846	0.0711	5.1000e-004		6.4300e-003	6.4300e-003		6.4300e-003	6.4300e-003	0.0000	339.1073	339.1073	0.0131	4.0400e-003	340.6345
Mobile	1.1783	2.3753	12.5457	0.0256	1.6423	0.0486	1.6909	0.4387	0.0448	0.4835	0.0000	1,735.6901	1,735.6901	0.0648	0.0000	1,737.0513
Waste						0.0000	0.0000		0.0000	0.0000	18.8031	0.0000	18.8031	1.1112	0.0000	42.1389
Water						0.0000	0.0000		0.0000	0.0000	1.0759	29.4992	30.5750	0.1119	2.8900e-003	33.8198
Total	**1.9871**	**2.4600**	**12.6198**	**0.0261**	**1.6423**	**0.0551**	**1.6973**	**0.4387**	**0.0512**	**0.4900**	**19.8789**	**2,104.3024**	**2,124.1813**	**1.3011**	**6.9300e-003**	**2,153.6506**

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	0.7995	3.0000e-005	3.0300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.9000e-003	5.9000e-003	2.0000e-005	0.0000	6.2200e-003
Energy	9.3100e-003	0.0846	0.0711	5.1000e-004		6.4300e-003	6.4300e-003		6.4300e-003	6.4300e-003	0.0000	339.1073	339.1073	0.0131	4.0400e-003	340.6345
Mobile	1.1783	2.3753	12.5457	0.0256	1.6423	0.0486	1.6909	0.4387	0.0448	0.4835	0.0000	1,735.6901	1,735.6901	0.0648	0.0000	1,737.0513
Waste						0.0000	0.0000		0.0000	0.0000	18.8031	0.0000	18.8031	1.1112	0.0000	42.1389
Water						0.0000	0.0000		0.0000	0.0000	1.0759	29.4992	30.5750	0.1118	2.8900e-003	33.8181
Total	**1.9871**	**2.4600**	**12.6198**	**0.0261**	**1.6423**	**0.0551**	**1.6973**	**0.4387**	**0.0512**	**0.4900**	**19.8789**	**2,104.3024**	**2,124.1813**	**1.3010**	**6.9300e-003**	**2,153.6489**

	ROG	NOx	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	Grading	Grading	1/1/2021	1/28/2021	5	20	
2	Building Construction	Building Construction	1/29/2021	3/24/2022	5	300	
3	Paving	Paving	3/25/2022	4/28/2022	5	25	
4	Architectural Coating	Architectural Coating	4/29/2022	6/9/2022	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 6.09

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 124,500; Non-Residential Outdoor: 41,500 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40
Demolition	Rubber Tired Loaders	2	6.00	199	0.36
Demolition	Signal Boards	1	6.00	6	0.82
Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42
Grading	Plate Compactors	1	6.00	8	0.43
Grading	Rubber Tired Dozers	1	6.00	255	0.40

Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45
Paving	Concrete/Industrial Saws	1	6.00	81	0.73
Paving	Graders	1	6.00	174	0.41
Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	1	6.00	6	0.82
Paving	Sweepers/Scrubbers	1	6.00	64	0.46

Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	13	15.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	76.00	30.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	11	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

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					0.0494	0.0000	0.0494	0.0253	0.0000	0.0253	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0394	0.3929	0.3294	5.0000e-004		0.0207	0.0207		0.0191	0.0191	0.0000	43.7628	43.7628	0.0140	0.0000	44.0574
Total	**0.0394**	**0.3929**	**0.3294**	**5.0000e-004**	**0.0494**	**0.0207**	**0.0701**	**0.0253**	**0.0191**	**0.0444**	**0.0000**	**43.7628**	**43.7628**	**0.0140**	**0.0000**	**44.0574**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-003	0.0818	0.1237	4.3000e-004	0.0108	2.8000e-003	0.0136	2.9700e-003	2.5800e-003	5.5500e-003	0.0000	37.0803	37.0803	2.2000e-004	0.0000	37.0848
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	6.1000e-004	5.8200e-003	1.0000e-005	1.2400e-003	1.0000e-005	1.2500e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.8882	0.8882	5.0000e-005	0.0000	0.8892
Total	**8.4200e-003**	**0.0825**	**0.1295**	**4.4000e-004**	**0.0121**	**2.8100e-003**	**0.0149**	**3.3000e-003**	**2.5900e-003**	**5.8900e-003**	**0.0000**	**37.9684**	**37.9684**	**2.7000e-004**	**0.0000**	**37.9740**

3.2 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0193	0.0000	0.0193	9.8800e-003	0.0000	9.8800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0394	0.3143	0.3294	5.0000e-004		0.0207	0.0207		0.0191	0.0191	0.0000	43.7627	43.7627	0.0140	0.0000	44.0573
Total	**0.0394**	**0.3143**	**0.3294**	**5.0000e-004**	**0.0193**	**0.0207**	**0.0400**	**9.8800e-003**	**0.0191**	**0.0289**	**0.0000**	**43.7627**	**43.7627**	**0.0140**	**0.0000**	**44.0573**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-003	0.0818	0.1237	4.3000e-004	0.0108	2.8000e-003	0.0136	2.9700e-003	2.5800e-003	5.5500e-003	0.0000	37.0803	37.0803	2.2000e-004	0.0000	37.0848
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	6.1000e-004	5.8200e-003	1.0000e-005	1.2400e-003	1.0000e-005	1.2500e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.8882	0.8882	5.0000e-005	0.0000	0.8892
Total	**8.4200e-003**	**0.0825**	**0.1295**	**4.4000e-004**	**0.0121**	**2.8100e-003**	**0.0149**	**3.3000e-003**	**2.5900e-003**	**5.8900e-003**	**0.0000**	**37.9684**	**37.9684**	**2.7000e-004**	**0.0000**	**37.9740**

3.3 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	0.4665	4.2080	4.0340	6.7600e-003		0.2245	0.2245		0.2110	0.2110	0.0000	583.2509	583.2509	0.1465	0.0000	586.3280
Total	**0.4665**	**4.2080**	**4.0340**	**6.7600e-003**		**0.2245**	**0.2245**		**0.2110**	**0.2110**	**0.0000**	**583.2509**	**583.2509**	**0.1465**	**0.0000**	**586.3280**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0218	0.1377	0.3490	5.8000e-004	0.0174	3.1700e-003	0.0205	4.9200e-003	2.9200e-003	7.8400e-003	0.0000	49.4423	49.4423	3.2000e-004	0.0000	49.4490
Worker	0.0256	0.0375	0.3550	8.8000e-004	0.0757	4.9000e-004	0.0762	0.0201	4.5000e-004	0.0206	0.0000	54.2266	54.2266	3.0400e-003	0.0000	54.2904
Total	**0.0474**	**0.1753**	**0.7041**	**1.4600e-003**	**0.0931**	**3.6600e-003**	**0.0967**	**0.0250**	**3.3700e-003**	**0.0284**	**0.0000**	**103.6689**	**103.6689**	**3.3600e-003**	**0.0000**	**103.7394**

3.3 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4665	3.3664	4.0340	6.7600e-003		0.2245	0.2245		0.2110	0.2110	0.0000	583.2502	583.2502	0.1465	0.0000	586.3273
Total	**0.4665**	**3.3664**	**4.0340**	**6.7600e-003**		**0.2245**	**0.2245**		**0.2110**	**0.2110**	**0.0000**	**583.2502**	**583.2502**	**0.1465**	**0.0000**	**586.3273**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0218	0.1377	0.3490	5.8000e-004	0.0174	3.1700e-003	0.0205	4.9200e-003	2.9200e-003	7.8400e-003	0.0000	49.4423	49.4423	3.2000e-004	0.0000	49.4490
Worker	0.0256	0.0375	0.3550	8.8000e-004	0.0757	4.9000e-004	0.0762	0.0201	4.5000e-004	0.0206	0.0000	54.2266	54.2266	3.0400e-003	0.0000	54.2904
Total	**0.0474**	**0.1753**	**0.7041**	**1.4600e-003**	**0.0931**	**3.6600e-003**	**0.0967**	**0.0250**	**3.3700e-003**	**0.0284**	**0.0000**	**103.6689**	**103.6689**	**3.3600e-003**	**0.0000**	**103.7394**

3.3 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	0.1031	0.9087	0.9775	1.6600e-003		0.0475	0.0475		0.0447	0.0447	0.0000	142.8014	142.8014	0.0357	0.0000	143.5506
Total	**0.1031**	**0.9087**	**0.9775**	**1.6600e-003**		**0.0475**	**0.0475**		**0.0447**	**0.0447**	**0.0000**	**142.8014**	**142.8014**	**0.0357**	**0.0000**	**143.5506**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.1800e-003	0.0303	0.0839	1.4000e-004	4.2500e-003	7.6000e-004	5.0100e-003	1.2100e-003	7.0000e-004	1.9100e-003	0.0000	12.0887	12.0887	8.0000e-005	0.0000	12.0904
Worker	5.9900e-003	8.8200e-003	0.0828	2.1000e-004	0.0185	1.2000e-004	0.0187	4.9200e-003	1.1000e-004	5.0300e-003	0.0000	13.0801	13.0801	7.2000e-004	0.0000	13.0953
Total	**0.0112**	**0.0392**	**0.1667**	**3.5000e-004**	**0.0228**	**8.8000e-004**	**0.0237**	**6.1300e-003**	**8.1000e-004**	**6.9400e-003**	**0.0000**	**25.1688**	**25.1688**	**8.0000e-004**	**0.0000**	**25.1857**

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1031	0.7270	0.9775	1.6600e-003		0.0475	0.0475		0.0447	0.0447	0.0000	142.8013	142.8013	0.0357	0.0000	143.5505
Total	**0.1031**	**0.7270**	**0.9775**	**1.6600e-003**		**0.0475**	**0.0475**		**0.0447**	**0.0447**	**0.0000**	**142.8013**	**142.8013**	**0.0357**	**0.0000**	**143.5505**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.1800e-003	0.0303	0.0839	1.4000e-004	4.2500e-003	7.6000e-004	5.0100e-003	1.2100e-003	7.0000e-004	1.9100e-003	0.0000	12.0887	12.0887	8.0000e-005	0.0000	12.0904
Worker	5.9900e-003	8.8200e-003	0.0828	2.1000e-004	0.0185	1.2000e-004	0.0187	4.9200e-003	1.1000e-004	5.0300e-003	0.0000	13.0801	13.0801	7.2000e-004	0.0000	13.0953
Total	**0.0112**	**0.0392**	**0.1667**	**3.5000e-004**	**0.0228**	**8.8000e-004**	**0.0237**	**6.1300e-003**	**8.1000e-004**	**6.9400e-003**	**0.0000**	**25.1688**	**25.1688**	**8.0000e-004**	**0.0000**	**25.1857**

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0249	0.2360	0.2577	4.0000e-004		0.0127	0.0127		0.0118	0.0118	0.0000	34.4356	34.4356	9.6300e-003	0.0000	34.6377
Paving	2.9500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0279**	**0.2360**	**0.2577**	**4.0000e-004**		**0.0127**	**0.0127**		**0.0118**	**0.0118**	**0.0000**	**34.4356**	**34.4356**	**9.6300e-003**	**0.0000**	**34.6377**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	7.4000e-004	6.9300e-003	2.0000e-005	1.5500e-003	1.0000e-005	1.5600e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.0939	1.0939	6.0000e-005	0.0000	1.0952
Total	**5.0000e-004**	**7.4000e-004**	**6.9300e-003**	**2.0000e-005**	**1.5500e-003**	**1.0000e-005**	**1.5600e-003**	**4.1000e-004**	**1.0000e-005**	**4.2000e-004**	**0.0000**	**1.0939**	**1.0939**	**6.0000e-005**	**0.0000**	**1.0952**

3.4 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0249	0.1888	0.2577	4.0000e-004		0.0127	0.0127		0.0118	0.0118	0.0000	34.4355	34.4355	9.6300e-003	0.0000	34.6377
Paving	2.9500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0279**	**0.1888**	**0.2577**	**4.0000e-004**		**0.0127**	**0.0127**		**0.0118**	**0.0118**	**0.0000**	**34.4355**	**34.4355**	**9.6300e-003**	**0.0000**	**34.6377**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	7.4000e-004	6.9300e-003	2.0000e-005	1.5500e-003	1.0000e-005	1.5600e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.0939	1.0939	6.0000e-005	0.0000	1.0952
Total	**5.0000e-004**	**7.4000e-004**	**6.9300e-003**	**2.0000e-005**	**1.5500e-003**	**1.0000e-005**	**1.5600e-003**	**4.1000e-004**	**1.0000e-005**	**4.2000e-004**	**0.0000**	**1.0939**	**1.0939**	**6.0000e-005**	**0.0000**	**1.0952**

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5771					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4700e-003	0.0273	0.0393	6.0000e-005		1.3400e-003	1.3400e-003		1.3300e-003	1.3300e-003	0.0000	5.4632	5.4632	7.8000e-004	0.0000	5.4795
Total	**0.5805**	**0.0273**	**0.0393**	**6.0000e-005**		**1.3400e-003**	**1.3400e-003**		**1.3300e-003**	**1.3300e-003**	**0.0000**	**5.4632**	**5.4632**	**7.8000e-004**	**0.0000**	**5.4795**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.4000e-003	3.5400e-003	0.0332	9.0000e-005	0.0268	5.0000e-005	0.0269	6.7300e-003	4.0000e-005	6.7700e-003	0.0000	5.2507	5.2507	2.9000e-004	0.0000	5.2568
Total	**2.4000e-003**	**3.5400e-003**	**0.0332**	**9.0000e-005**	**0.0268**	**5.0000e-005**	**0.0269**	**6.7300e-003**	**4.0000e-005**	**6.7700e-003**	**0.0000**	**5.2507**	**5.2507**	**2.9000e-004**	**0.0000**	**5.2568**

3.5 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5771					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4700e-003	0.0219	0.0393	6.0000e-005		1.3400e-003	1.3400e-003		1.3300e-003	1.3300e-003	0.0000	5.4632	5.4632	7.8000e-004	0.0000	5.4795
Total	**0.5805**	**0.0219**	**0.0393**	**6.0000e-005**		**1.3400e-003**	**1.3400e-003**		**1.3300e-003**	**1.3300e-003**	**0.0000**	**5.4632**	**5.4632**	**7.8000e-004**	**0.0000**	**5.4795**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.4000e-003	3.5400e-003	0.0332	9.0000e-005	0.0268	5.0000e-005	0.0269	6.7300e-003	4.0000e-005	6.7700e-003	0.0000	5.2507	5.2507	2.9000e-004	0.0000	5.2568
Total	**2.4000e-003**	**3.5400e-003**	**0.0332**	**9.0000e-005**	**0.0268**	**5.0000e-005**	**0.0269**	**6.7300e-003**	**4.0000e-005**	**6.7700e-003**	**0.0000**	**5.2507**	**5.2507**	**2.9000e-004**	**0.0000**	**5.2568**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.1783	2.3753	12.5457	0.0256	1.6423	0.0486	1.6909	0.4387	0.0448	0.4835	0.0000	1,735.6901	1,735.6901	0.0648	0.0000	1,737.0513
Unmitigated	1.1783	2.3753	12.5457	0.0256	1.6423	0.0486	1.6909	0.4387	0.0448	0.4835	0.0000	1,735.6901	1,735.6901	0.0648	0.0000	1,737.0513

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	1,374.50	561.50	60.50	1,750,888	1,750,888
Library	1,639.80	1,396.50	764.70	2,547,548	2,547,548
Parking Lot	0.00	0.00	0.00		
Total	3,014.30	1,958.00	825.20	4,298,436	4,298,436

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
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1
Library	12.50	4.20	5.40	52.00	43.00	5.00	44	44	12
Parking Lot	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.468274	0.065853	0.171566	0.160721	0.037144	0.005993	0.010932	0.070408	0.001346	0.001223	0.003501	0.000506	0.002534

5.0 Energy Detail

4.4 Fleet Mix

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	246.9906	246.9906	0.0114	2.3500e-003	247.9573
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	246.9906	246.9906	0.0114	2.3500e-003	247.9573
NaturalGas Mitigated	9.3100e-003	0.0846	0.0711	5.1000e-004		6.4300e-003	6.4300e-003		6.4300e-003	6.4300e-003	0.0000	92.1166	92.1166	1.7700e-003	1.6900e-003	92.6772
NaturalGas Unmitigated	9.3100e-003	0.0846	0.0711	5.1000e-004		6.4300e-003	6.4300e-003		6.4300e-003	6.4300e-003	0.0000	92.1166	92.1166	1.7700e-003	1.6900e-003	92.6772

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					
Junior College (2Yr)	727500	3.9200e-003	0.0357	0.0300	2.1000e-004		2.7100e-003	2.7100e-003		2.7100e-003	2.7100e-003	0.0000	38.8222	38.8222	7.4000e-004	7.1000e-004	39.0584
Library	998700	5.3900e-003	0.0490	0.0411	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003	0.0000	53.2944	53.2944	1.0200e-003	9.8000e-004	53.6188
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**9.3100e-003**	**0.0846**	**0.0711**	**5.0000e-004**		**6.4300e-003**	**6.4300e-003**		**6.4300e-003**	**6.4300e-003**	**0.0000**	**92.1166**	**92.1166**	**1.7600e-003**	**1.6900e-003**	**92.6772**

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					
Junior College (2Yr)	727500	3.9200e-003	0.0357	0.0300	2.1000e-004		2.7100e-003	2.7100e-003		2.7100e-003	2.7100e-003	0.0000	38.8222	38.8222	7.4000e-004	7.1000e-004	39.0584
Library	998700	5.3900e-003	0.0490	0.0411	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003	0.0000	53.2944	53.2944	1.0200e-003	9.8000e-004	53.6188
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**9.3100e-003**	**0.0846**	**0.0711**	**5.0000e-004**		**6.4300e-003**	**6.4300e-003**		**6.4300e-003**	**6.4300e-003**	**0.0000**	**92.1166**	**92.1166**	**1.7600e-003**	**1.6900e-003**	**92.6772**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	443000	126.7719	5.8300e-003	1.2100e-003	127.2681
Library	332100	95.0360	4.3700e-003	9.0000e-004	95.4080
Parking Lot	88000	25.1827	1.1600e-003	2.4000e-004	25.2812
Total		**246.9906**	**0.0114**	**2.3500e-003**	**247.9573**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	443000	126.7719	5.8300e-003	1.2100e-003	127.2681
Library	332100	95.0360	4.3700e-003	9.0000e-004	95.4080
Parking Lot	88000	25.1827	1.1600e-003	2.4000e-004	25.2812
Total		**246.9906**	**0.0114**	**2.3500e-003**	**247.9573**

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	0.7995	3.0000e-005	3.0300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.9000e-003	5.9000e-003	2.0000e-005	0.0000	6.2200e-003
Unmitigated	0.7995	3.0000e-005	3.0300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.9000e-003	5.9000e-003	2.0000e-005	0.0000	6.2200e-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	0.0962					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7030					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.8000e-004	3.0000e-005	3.0300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.9000e-003	5.9000e-003	2.0000e-005	0.0000	6.2200e-003
Total	**0.7995**	**3.0000e-005**	**3.0300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.9000e-003**	**5.9000e-003**	**2.0000e-005**	**0.0000**	**6.2200e-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	0.0962					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7030					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.8000e-004	3.0000e-005	3.0300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.9000e-003	5.9000e-003	2.0000e-005	0.0000	6.2200e-003
Total	**0.7995**	**3.0000e-005**	**3.0300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.9000e-003**	**5.9000e-003**	**2.0000e-005**	**0.0000**	**6.2200e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	30.5750	0.1118	2.8900e-003	33.8181
Unmitigated	30.5750	0.1119	2.8900e-003	33.8198

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	2.45245 / 3.83589	22.1118	0.0809	2.0900e-003	24.4584
Library	0.938667 / 1.46817	8.4632	0.0310	8.0000e-004	9.3614
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**30.5750**	**0.1119**	**2.8900e-003**	**33.8198**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	2.45245 / 3.83589	22.1118	0.0809	2.0900e-003	24.4572
Library	0.938667 / 1.46817	8.4632	0.0310	8.0000e-004	9.3609
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**30.5750**	**0.1118**	**2.8900e-003**	**33.8181**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	18.8031	1.1112	0.0000	42.1389
Unmitigated	18.8031	1.1112	0.0000	42.1389

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	65	13.1944	0.7798	0.0000	29.5695
Library	27.63	5.6086	0.3315	0.0000	12.5693
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**18.8031**	**1.1112**	**0.0000**	**42.1389**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	65	13.1944	0.7798	0.0000	29.5695
Library	27.63	5.6086	0.3315	0.0000	12.5693
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**18.8031**	**1.1112**	**0.0000**	**42.1389**

9.0 Operational Offroad

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

10.0 Vegetation

College of the Desert, West Valley Campus Phase 3

Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Library	30.00	1000sqft	1.69	30,000.00	0
Parking Lot	250.00	Space	2.25	100,000.00	0
Junior College (2Yr)	50.00	1000sqft	2.15	50,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase III development of the COD West Valley Campus, Palm Springs California.

Land Use - Land use assumptions based on project Master Plan. 1 acre was added to college/library footprint to account for landscaping.

Construction Phase - Assumes a 18 month buildout for Phase III.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT - Hauling trips based on demo estimate from Demo Unlimited Inc.

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition - Demolition material assumptions based on info provided by Demo Unlimted Inc., assumes 650 loads (12 tons) const. mat. and 885 loads (15 tons) concrete. See DEIR.

Grading - Specifics of Phase 3 development grading are currently unknown. The sites cut/fill total was applied to Phase 1 with demo of the PS Mall. To be conservative, it is assumed that 10,000 CY will be imported.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Trip rates the College were not provided for Phase III in the Traffic Report. Therefore, default ITE trip rates for a Junior College were assumed. Trip rates were provided for the library, which is assumed for Phase III (54.66/1000 SF).

Road Dust - All roads are paved.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00

tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	230.00	300.00
tblConstructionPhase	NumDays	20.00	25.00
tblGrading	AcresOfGrading	30.00	6.09
tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	LotAcreage	0.69	1.69
tblLandUse	LotAcreage	1.15	2.15
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	6.00

tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
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	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	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
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2024
tblRoadDust	RoadPercentPave	50	100
tblTripsAndVMT	WorkerTripNumber	33.00	15.00
tblTripsAndVMT	WorkerTripNumber	28.00	15.00
tblVehicleTrips	WD_TR	56.24	54.66

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	4.7813	47.0368	45.0336	0.0950	6.1588	2.3495	8.5083	2.8660	2.1629	5.0289	0.0000	9,015.5151	9,015.5151	1.5755	0.0000	9,048.5995
2022	38.8982	32.0708	38.8243	0.0684	1.8109	1.6401	2.4214	0.4544	1.5418	1.7517	0.0000	6,287.9635	6,287.9635	1.3630	0.0000	6,316.5866
Total	**43.6795**	**79.1075**	**83.8579**	**0.1634**	**7.9697**	**3.9896**	**10.9297**	**3.3204**	**3.7048**	**6.7806**	**0.0000**	**15,303.4786**	**15,303.4786**	**2.9385**	**0.0000**	**15,365.1861**

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	4.7813	39.1789	45.0336	0.0950	3.1460	2.3495	5.4954	1.3211	2.1629	3.4840	0.0000	9,015.5151	9,015.5151	1.5755	0.0000	9,048.5995
2022	38.8982	25.9099	38.8243	0.0684	1.8109	1.6401	2.4214	0.4544	1.5418	1.7517	0.0000	6,287.9635	6,287.9635	1.3630	0.0000	6,316.5866
Total	**43.6795**	**65.0887**	**83.8579**	**0.1634**	**4.9569**	**3.9896**	**7.9169**	**1.7755**	**3.7048**	**5.2357**	**0.0000**	**15,303.4786**	**15,303.4786**	**2.9385**	**0.0000**	**15,365.1861**

	ROG	NOx	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**	**17.72**	**0.00**	**0.00**	**37.80**	**0.00**	**27.57**	**46.53**	**0.00**	**22.78**	**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	4.3821	3.1000e-004	0.0336	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0722	0.0722	1.9000e-004		0.0762
Energy	0.0510	0.4637	0.3895	2.7800e-003		0.0352	0.0352		0.0352	0.0352		556.3900	556.3900	0.0107	0.0102	559.7761
Mobile	8.9740	14.6873	83.0064	0.1685	10.7700	0.3147	11.0847	2.8745	0.2901	3.1646		12,579.3584	12,579.3584	0.4630		12,589.0803
Total	**13.4071**	**15.1513**	**83.4295**	**0.1712**	**10.7700**	**0.3500**	**11.1201**	**2.8745**	**0.3254**	**3.1999**		**13,135.8206**	**13,135.8206**	**0.4738**	**0.0102**	**13,148.9326**

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	4.3821	3.1000e-004	0.0336	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0722	0.0722	1.9000e-004		0.0762
Energy	0.0510	0.4637	0.3895	2.7800e-003		0.0352	0.0352		0.0352	0.0352		556.3900	556.3900	0.0107	0.0102	559.7761
Mobile	8.9740	14.6873	83.0064	0.1685	10.7700	0.3147	11.0847	2.8745	0.2901	3.1646		12,579.3584	12,579.3584	0.4630		12,589.0803
Total	**13.4071**	**15.1513**	**83.4295**	**0.1712**	**10.7700**	**0.3500**	**11.1201**	**2.8745**	**0.3254**	**3.1999**		**13,135.8206**	**13,135.8206**	**0.4738**	**0.0102**	**13,148.9326**

	ROG	NOx	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	Grading	Grading	1/1/2021	1/28/2021	5	20	
2	Building Construction	Building Construction	1/29/2021	3/24/2022	5	300	
3	Paving	Paving	3/25/2022	4/28/2022	5	25	
4	Architectural Coating	Architectural Coating	4/29/2022	6/9/2022	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 6.09

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 124,500; Non-Residential Outdoor: 41,500 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40
Demolition	Rubber Tired Loaders	2	6.00	199	0.36
Demolition	Signal Boards	1	6.00	6	0.82

Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42
Grading	Plate Compactors	1	6.00	8	0.43
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45
Paving	Concrete/Industrial Saws	1	6.00	81	0.73
Paving	Graders	1	6.00	174	0.41

Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	1	6.00	6	0.82
Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	13	15.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	76.00	30.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	11	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

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					4.9391	0.0000	4.9391	2.5326	0.0000	2.5326			0.0000			0.0000
Off-Road	3.9425	39.2894	32.9443	0.0500		2.0687	2.0687		1.9046	1.9046		4,824.0170	4,824.0170	1.5464		4,856.4911
Total	**3.9425**	**39.2894**	**32.9443**	**0.0500**	**4.9391**	**2.0687**	**7.0078**	**2.5326**	**1.9046**	**4.4373**		**4,824.0170**	**4,824.0170**	**1.5464**		**4,856.4911**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7871	7.6899	11.4401	0.0435	1.0942	0.2800	1.3742	0.3001	0.2576	0.5577		4,091.7200	4,091.7200	0.0236		4,092.2152
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0517	0.0575	0.6492	1.4600e-003	0.1255	8.0000e-004	0.1263	0.0333	7.4000e-004	0.0340		99.7781	99.7781	5.4800e-003		99.8933
Total	**0.8388**	**7.7473**	**12.0894**	**0.0450**	**1.2197**	**0.2808**	**1.5005**	**0.3334**	**0.2583**	**0.5917**		**4,191.4981**	**4,191.4981**	**0.0291**		**4,192.1085**

3.2 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9262	0.0000	1.9262	0.9877	0.0000	0.9877			0.0000			0.0000
Off-Road	3.9425	31.4315	32.9443	0.0500		2.0687	2.0687		1.9046	1.9046	0.0000	4,824.0170	4,824.0170	1.5464		4,856.4911
Total	**3.9425**	**31.4315**	**32.9443**	**0.0500**	**1.9262**	**2.0687**	**3.9950**	**0.9877**	**1.9046**	**2.8924**	**0.0000**	**4,824.0170**	**4,824.0170**	**1.5464**		**4,856.4911**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7871	7.6899	11.4401	0.0435	1.0942	0.2800	1.3742	0.3001	0.2576	0.5577		4,091.7200	4,091.7200	0.0236		4,092.2152
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0517	0.0575	0.6492	1.4600e-003	0.1255	8.0000e-004	0.1263	0.0333	7.4000e-004	0.0340		99.7781	99.7781	5.4800e-003		99.8933
Total	**0.8388**	**7.7473**	**12.0894**	**0.0450**	**1.2197**	**0.2808**	**1.5005**	**0.3334**	**0.2583**	**0.5917**		**4,191.4981**	**4,191.4981**	**0.0291**		**4,192.1085**

3.3 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	3.8712	34.9212	33.4769	0.0561		1.8627	1.8627		1.7514	1.7514		5,335.4696	5,335.4696	1.3404		5,363.6181
Total	**3.8712**	**34.9212**	**33.4769**	**0.0561**		**1.8627**	**1.8627**		**1.7514**	**1.7514**		**5,335.4696**	**5,335.4696**	**1.3404**		**5,363.6181**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1771	1.0962	2.6030	4.8700e-003	0.1455	0.0262	0.1717	0.0412	0.0241	0.0653		454.4464	454.4464	2.8700e-003		454.5067
Worker	0.2620	0.2911	3.2895	7.4100e-003	0.6359	4.0400e-003	0.6399	0.1687	3.7400e-003	0.1724		505.5425	505.5425	0.0278		506.1258
Total	**0.4391**	**1.3873**	**5.8925**	**0.0123**	**0.7814**	**0.0303**	**0.8116**	**0.2099**	**0.0279**	**0.2377**		**959.9890**	**959.9890**	**0.0306**		**960.6324**

3.3 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8712	27.9370	33.4769	0.0561		1.8627	1.8627		1.7514	1.7514	0.0000	5,335.4696	5,335.4696	1.3404		5,363.6181
Total	**3.8712**	**27.9370**	**33.4769**	**0.0561**		**1.8627**	**1.8627**		**1.7514**	**1.7514**	**0.0000**	**5,335.4696**	**5,335.4696**	**1.3404**		**5,363.6181**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1771	1.0962	2.6030	4.8700e-003	0.1455	0.0262	0.1717	0.0412	0.0241	0.0653		454.4464	454.4464	2.8700e-003		454.5067
Worker	0.2620	0.2911	3.2895	7.4100e-003	0.6359	4.0400e-003	0.6399	0.1687	3.7400e-003	0.1724		505.5425	505.5425	0.0278		506.1258
Total	**0.4391**	**1.3873**	**5.8925**	**0.0123**	**0.7814**	**0.0303**	**0.8116**	**0.2099**	**0.0279**	**0.2377**		**959.9890**	**959.9890**	**0.0306**		**960.6324**

3.3 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	3.4938	30.8046	33.1368	0.0561		1.6103	1.6103		1.5143	1.5143		5,335.9879	5,335.9879	1.3331		5,363.9827
Total	**3.4938**	**30.8046**	**33.1368**	**0.0561**		**1.6103**	**1.6103**		**1.5143**	**1.5143**		**5,335.9879**	**5,335.9879**	**1.3331**		**5,363.9827**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1720	0.9868	2.5568	4.8600e-003	0.1455	0.0258	0.1712	0.0412	0.0237	0.0649		453.8695	453.8695	2.9200e-003		453.9308
Worker	0.2490	0.2794	3.1307	7.4100e-003	0.6359	4.0500e-003	0.6399	0.1687	3.7600e-003	0.1724		498.1062	498.1062	0.0270		498.6731
Total	**0.4210**	**1.2662**	**5.6875**	**0.0123**	**0.7813**	**0.0298**	**0.8112**	**0.2099**	**0.0275**	**0.2374**		**951.9757**	**951.9757**	**0.0299**		**952.6039**

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4938	24.6437	33.1368	0.0561		1.6103	1.6103		1.5143	1.5143	0.0000	5,335.9878	5,335.9878	1.3331		5,363.9827
Total	**3.4938**	**24.6437**	**33.1368**	**0.0561**		**1.6103**	**1.6103**		**1.5143**	**1.5143**	**0.0000**	**5,335.9878**	**5,335.9878**	**1.3331**		**5,363.9827**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1720	0.9868	2.5568	4.8600e-003	0.1455	0.0258	0.1712	0.0412	0.0237	0.0649		453.8695	453.8695	2.9200e-003		453.9308
Worker	0.2490	0.2794	3.1307	7.4100e-003	0.6359	4.0500e-003	0.6399	0.1687	3.7600e-003	0.1724		498.1062	498.1062	0.0270		498.6731
Total	**0.4210**	**1.2662**	**5.6875**	**0.0123**	**0.7813**	**0.0298**	**0.8112**	**0.2099**	**0.0275**	**0.2374**		**951.9757**	**951.9757**	**0.0299**		**952.6039**

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9929	18.8789	20.6121	0.0317		1.0178	1.0178		0.9468	0.9468		3,036.6970	3,036.6970	0.8488		3,054.5221
Paving	0.2358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.2287**	**18.8789**	**20.6121**	**0.0317**		**1.0178**	**1.0178**		**0.9468**	**0.9468**		**3,036.6970**	**3,036.6970**	**0.8488**		**3,054.5221**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0491	0.0551	0.6179	1.4600e-003	0.1255	8.0000e-004	0.1263	0.0333	7.4000e-004	0.0340		98.3104	98.3104	5.3300e-003		98.4223
Total	**0.0491**	**0.0551**	**0.6179**	**1.4600e-003**	**0.1255**	**8.0000e-004**	**0.1263**	**0.0333**	**7.4000e-004**	**0.0340**		**98.3104**	**98.3104**	**5.3300e-003**		**98.4223**

3.4 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9929	15.1031	20.6121	0.0317		1.0178	1.0178		0.9468	0.9468	0.0000	3,036.6970	3,036.6970	0.8488		3,054.5221
Paving	0.2358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.2287**	**15.1031**	**20.6121**	**0.0317**		**1.0178**	**1.0178**		**0.9468**	**0.9468**	**0.0000**	**3,036.6970**	**3,036.6970**	**0.8488**		**3,054.5221**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0491	0.0551	0.6179	1.4600e-003	0.1255	8.0000e-004	0.1263	0.0333	7.4000e-004	0.0340		98.3104	98.3104	5.3300e-003		98.4223
Total	**0.0491**	**0.0551**	**0.6179**	**1.4600e-003**	**0.1255**	**8.0000e-004**	**0.1263**	**0.0333**	**7.4000e-004**	**0.0340**		**98.3104**	**98.3104**	**5.3300e-003**		**98.4223**

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.4705					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2312	1.8220	2.6211	4.2100e-003		0.0894	0.0894		0.0888	0.0888		401.4770	401.4770	0.0571		402.6770
Total	**38.7017**	**1.8220**	**2.6211**	**4.2100e-003**		**0.0894**	**0.0894**		**0.0888**	**0.0888**		**401.4770**	**401.4770**	**0.0571**		**402.6770**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1966	0.2206	2.4716	5.8500e-003	1.8109	3.2000e-003	1.8141	0.4544	2.9700e-003	0.4574		393.2417	393.2417	0.0213		393.6893
Total	**0.1966**	**0.2206**	**2.4716**	**5.8500e-003**	**1.8109**	**3.2000e-003**	**1.8141**	**0.4544**	**2.9700e-003**	**0.4574**		**393.2417**	**393.2417**	**0.0213**		**393.6893**

3.5 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.4705					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2312	1.4576	2.6211	4.2100e-003		0.0894	0.0894		0.0888	0.0888	0.0000	401.4770	401.4770	0.0571		402.6770
Total	**38.7017**	**1.4576**	**2.6211**	**4.2100e-003**		**0.0894**	**0.0894**		**0.0888**	**0.0888**	**0.0000**	**401.4770**	**401.4770**	**0.0571**		**402.6770**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1966	0.2206	2.4716	5.8500e-003	1.8109	3.2000e-003	1.8141	0.4544	2.9700e-003	0.4574		393.2417	393.2417	0.0213		393.6893
Total	**0.1966**	**0.2206**	**2.4716**	**5.8500e-003**	**1.8109**	**3.2000e-003**	**1.8141**	**0.4544**	**2.9700e-003**	**0.4574**		**393.2417**	**393.2417**	**0.0213**		**393.6893**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.9740	14.6873	83.0064	0.1685	10.7700	0.3147	11.0847	2.8745	0.2901	3.1646		12,579.3584	12,579.3584	0.4630		12,589.0803
Unmitigated	8.9740	14.6873	83.0064	0.1685	10.7700	0.3147	11.0847	2.8745	0.2901	3.1646		12,579.3584	12,579.3584	0.4630		12,589.0803

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	1,374.50	561.50	60.50	1,750,888	1,750,888
Library	1,639.80	1,396.50	764.70	2,547,548	2,547,548
Parking Lot	0.00	0.00	0.00		
Total	3,014.30	1,958.00	825.20	4,298,436	4,298,436

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
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1
Library	12.50	4.20	5.40	52.00	43.00	5.00	44	44	12
Parking Lot	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.468274	0.065853	0.171566	0.160721	0.037144	0.005993	0.010932	0.070408	0.001346	0.001223	0.003501	0.000506	0.002534

5.0 Energy Detail

4.4 Fleet Mix

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	0.0510	0.4637	0.3895	2.7800e-003		0.0352	0.0352		0.0352	0.0352		556.3900	556.3900	0.0107	0.0102	559.7761
NaturalGas Unmitigated	0.0510	0.4637	0.3895	2.7800e-003		0.0352	0.0352		0.0352	0.0352		556.3900	556.3900	0.0107	0.0102	559.7761

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					
Junior College (2Yr)	1993.15	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154
Library	2736.16	0.0295	0.2683	0.2253	1.6100e-003		0.0204	0.0204		0.0204	0.0204		321.9017	321.9017	6.1700e-003	5.9000e-003	323.8607
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0510**	**0.4637**	**0.3895**	**2.7800e-003**		**0.0352**	**0.0352**		**0.0352**	**0.0352**		**556.3900**	**556.3900**	**0.0107**	**0.0102**	**559.7761**

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					
Library	2.73616	0.0295	0.2683	0.2253	1.6100e-003		0.0204	0.0204		0.0204	0.0204		321.9017	321.9017	6.1700e-003	5.9000e-003	323.8607
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	1.99315	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154
Total		**0.0510**	**0.4637**	**0.3895**	**2.7800e-003**		**0.0352**	**0.0352**		**0.0352**	**0.0352**		**556.3900**	**556.3900**	**0.0107**	**0.0102**	**559.7761**

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	4.3821	3.1000e-004	0.0336	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0722	0.0722	1.9000e-004		0.0762
Unmitigated	4.3821	3.1000e-004	0.0336	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0722	0.0722	1.9000e-004		0.0762

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	0.5270					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8520					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.1100e-003	3.1000e-004	0.0336	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0722	0.0722	1.9000e-004		0.0762
Total	**4.3821**	**3.1000e-004**	**0.0336**	**0.0000**		**1.2000e-004**	**1.2000e-004**		**1.2000e-004**	**1.2000e-004**		**0.0722**	**0.0722**	**1.9000e-004**		**0.0762**

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	0.5270					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8520					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.1100e-003	3.1000e-004	0.0336	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0722	0.0722	1.9000e-004		0.0762
Total	**4.3821**	**3.1000e-004**	**0.0336**	**0.0000**		**1.2000e-004**	**1.2000e-004**		**1.2000e-004**	**1.2000e-004**		**0.0722**	**0.0722**	**1.9000e-004**		**0.0762**

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 Vegetation

College of the Desert, West Valley Campus Phase 3

Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Library	30.00	1000sqft	1.69	30,000.00	0
Parking Lot	250.00	Space	2.25	100,000.00	0
Junior College (2Yr)	50.00	1000sqft	2.15	50,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase III development of the COD West Valley Campus, Palm Springs California.

Land Use - Land use assumptions based on project Master Plan. 1 acre was added to college/library footprint to account for landscaping.

Construction Phase - Assumes a 18 month buildout for Phase III.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT - Hauling trips based on demo estimate from Demo Unlimited Inc.

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition - Demolition material assumptions based on info provided by Demo Unlimted Inc., assumes 650 loads (12 tons) const. mat. and 885 loads (15 tons) concrete. See DEIR.

Grading - Specifics of Phase 3 development grading are currently unknown. The sites cut/fill total was applied to Phase 1 with demo of the PS Mall. To be conservative, it is assumed that 10,000 CY will be imported.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Trip rates the College were not provided for Phase III in the Traffic Report. Therefore, default ITE trip rates for a Junior College were assumed. Trip rates were provided for the library, which is assumed for Phase III (54.66/1000 SF).

Road Dust - All roads are paved.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00

tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	230.00	300.00
tblConstructionPhase	NumDays	20.00	25.00
tblGrading	AcresOfGrading	30.00	6.09
tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	LotAcreage	0.69	1.69
tblLandUse	LotAcreage	1.15	2.15
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	6.00

tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
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tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
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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
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2024
tblRoadDust	RoadPercentPave	50	100
tblTripsAndVMT	WorkerTripNumber	33.00	15.00
tblTripsAndVMT	WorkerTripNumber	28.00	15.00
tblVehicleTrips	WD_TR	56.24	54.66

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	4.8243	47.6461	48.0165	0.0948	6.1588	2.3500	8.5088	2.8660	2.1634	5.0294	0.0000	8,997.9469	8,997.9469	1.5760	0.0000	9,031.0424
2022	38.8498	32.1504	39.2046	0.0678	1.8109	1.6404	2.4217	0.4544	1.5421	1.7520	0.0000	6,246.4695	6,246.4695	1.3632	0.0000	6,275.0961
Total	**43.6741**	**79.7966**	**87.2211**	**0.1627**	**7.9697**	**3.9904**	**10.9305**	**3.3204**	**3.7055**	**6.7813**	**0.0000**	**15,244.4163**	**15,244.4163**	**2.9392**	**0.0000**	**15,306.1384**

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	4.8243	39.7883	48.0165	0.0948	3.1460	2.3500	5.4960	1.3211	2.1634	3.4845	0.0000	8,997.9469	8,997.9469	1.5760	0.0000	9,031.0424
2022	38.8498	25.9895	39.2046	0.0678	1.8109	1.6404	2.4217	0.4544	1.5421	1.7520	0.0000	6,246.4695	6,246.4695	1.3632	0.0000	6,275.0961
Total	**43.6741**	**65.7778**	**87.2211**	**0.1627**	**4.9569**	**3.9904**	**7.9177**	**1.7755**	**3.7055**	**5.2364**	**0.0000**	**15,244.4163**	**15,244.4163**	**2.9392**	**0.0000**	**15,306.1384**

	ROG	NOx	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**	**17.57**	**0.00**	**0.00**	**37.80**	**0.00**	**27.56**	**46.53**	**0.00**	**22.78**	**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	4.3821	3.1000e-004	0.0336	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0722	0.0722	1.9000e-004		0.0762
Energy	0.0510	0.4637	0.3895	2.7800e-003		0.0352	0.0352		0.0352	0.0352		556.3900	556.3900	0.0107	0.0102	559.7761
Mobile	7.4008	15.7380	87.5498	0.1596	10.7700	0.3165	11.0866	2.8745	0.2918	3.1663		11,969.3106	11,969.3106	0.4649		11,979.0735
Total	**11.8339**	**16.2019**	**87.9729**	**0.1624**	**10.7700**	**0.3519**	**11.1219**	**2.8745**	**0.3271**	**3.2016**		**12,525.7729**	**12,525.7729**	**0.4758**	**0.0102**	**12,538.9257**

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	4.3821	3.1000e-004	0.0336	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0722	0.0722	1.9000e-004		0.0762
Energy	0.0510	0.4637	0.3895	2.7800e-003		0.0352	0.0352		0.0352	0.0352		556.3900	556.3900	0.0107	0.0102	559.7761
Mobile	7.4008	15.7380	87.5498	0.1596	10.7700	0.3165	11.0866	2.8745	0.2918	3.1663		11,969.3106	11,969.3106	0.4649		11,979.0735
Total	**11.8339**	**16.2019**	**87.9729**	**0.1624**	**10.7700**	**0.3519**	**11.1219**	**2.8745**	**0.3271**	**3.2016**		**12,525.7729**	**12,525.7729**	**0.4758**	**0.0102**	**12,538.9257**

	ROG	NOx	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	Grading	Grading	1/1/2021	1/28/2021	5	20	
2	Building Construction	Building Construction	1/29/2021	3/24/2022	5	300	
3	Paving	Paving	3/25/2022	4/28/2022	5	25	
4	Architectural Coating	Architectural Coating	4/29/2022	6/9/2022	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 6.09

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 124,500; Non-Residential Outdoor: 41,500 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40
Demolition	Rubber Tired Loaders	2	6.00	199	0.36
Demolition	Signal Boards	1	6.00	6	0.82

Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42
Grading	Plate Compactors	1	6.00	8	0.43
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45
Paving	Concrete/Industrial Saws	1	6.00	81	0.73
Paving	Graders	1	6.00	174	0.41

Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	1	6.00	6	0.82
Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	13	15.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	76.00	30.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	11	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

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					4.9391	0.0000	4.9391	2.5326	0.0000	2.5326			0.0000			0.0000
Off-Road	3.9425	39.2894	32.9443	0.0500		2.0687	2.0687		1.9046	1.9046		4,824.0170	4,824.0170	1.5464		4,856.4911
Total	**3.9425**	**39.2894**	**32.9443**	**0.0500**	**4.9391**	**2.0687**	**7.0078**	**2.5326**	**1.9046**	**4.4373**		**4,824.0170**	**4,824.0170**	**1.5464**		**4,856.4911**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.8430	8.2933	14.5397	0.0435	1.0942	0.2805	1.3747	0.3001	0.2580	0.5581		4,081.4311	4,081.4311	0.0241		4,081.9374
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0388	0.0634	0.5325	1.3500e-003	0.1255	8.0000e-004	0.1263	0.0333	7.4000e-004	0.0340		92.4988	92.4988	5.4800e-003		92.6139
Total	**0.8818**	**8.3567**	**15.0722**	**0.0448**	**1.2197**	**0.2813**	**1.5010**	**0.3334**	**0.2588**	**0.5921**		**4,173.9298**	**4,173.9298**	**0.0296**		**4,174.5513**

3.2 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9262	0.0000	1.9262	0.9877	0.0000	0.9877			0.0000			0.0000
Off-Road	3.9425	31.4315	32.9443	0.0500		2.0687	2.0687		1.9046	1.9046	0.0000	4,824.0170	4,824.0170	1.5464		4,856.4911
Total	**3.9425**	**31.4315**	**32.9443**	**0.0500**	**1.9262**	**2.0687**	**3.9950**	**0.9877**	**1.9046**	**2.8924**	**0.0000**	**4,824.0170**	**4,824.0170**	**1.5464**		**4,856.4911**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.8430	8.2933	14.5397	0.0435	1.0942	0.2805	1.3747	0.3001	0.2580	0.5581		4,081.4311	4,081.4311	0.0241		4,081.9374
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0388	0.0634	0.5325	1.3500e-003	0.1255	8.0000e-004	0.1263	0.0333	7.4000e-004	0.0340		92.4988	92.4988	5.4800e-003		92.6139
Total	**0.8818**	**8.3567**	**15.0722**	**0.0448**	**1.2197**	**0.2813**	**1.5010**	**0.3334**	**0.2588**	**0.5921**		**4,173.9298**	**4,173.9298**	**0.0296**		**4,174.5513**

3.3 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	3.8712	34.9212	33.4769	0.0561		1.8627	1.8627		1.7514	1.7514		5,335.4696	5,335.4696	1.3404		5,363.6181
Total	**3.8712**	**34.9212**	**33.4769**	**0.0561**		**1.8627**	**1.8627**		**1.7514**	**1.7514**		**5,335.4696**	**5,335.4696**	**1.3404**		**5,363.6181**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1964	1.1530	3.5659	4.8300e-003	0.1455	0.0265	0.1720	0.0412	0.0244	0.0656		449.3085	449.3085	3.0300e-003		449.3722
Worker	0.1964	0.3214	2.6982	6.8600e-003	0.6359	4.0400e-003	0.6399	0.1687	3.7400e-003	0.1724		468.6605	468.6605	0.0278		469.2438
Total	**0.3927**	**1.4744**	**6.2641**	**0.0117**	**0.7814**	**0.0305**	**0.8119**	**0.2099**	**0.0281**	**0.2380**		**917.9690**	**917.9690**	**0.0308**		**918.6160**

3.3 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8712	27.9370	33.4769	0.0561		1.8627	1.8627		1.7514	1.7514	0.0000	5,335.4696	5,335.4696	1.3404		5,363.6181
Total	**3.8712**	**27.9370**	**33.4769**	**0.0561**		**1.8627**	**1.8627**		**1.7514**	**1.7514**	**0.0000**	**5,335.4696**	**5,335.4696**	**1.3404**		**5,363.6181**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1964	1.1530	3.5659	4.8300e-003	0.1455	0.0265	0.1720	0.0412	0.0244	0.0656		449.3085	449.3085	3.0300e-003		449.3722
Worker	0.1964	0.3214	2.6982	6.8600e-003	0.6359	4.0400e-003	0.6399	0.1687	3.7400e-003	0.1724		468.6605	468.6605	0.0278		469.2438
Total	**0.3927**	**1.4744**	**6.2641**	**0.0117**	**0.7814**	**0.0305**	**0.8119**	**0.2099**	**0.0281**	**0.2380**		**917.9690**	**917.9690**	**0.0308**		**918.6160**

3.3 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	3.4938	30.8046	33.1368	0.0561		1.6103	1.6103		1.5143	1.5143		5,335.9879	5,335.9879	1.3331		5,363.9827
Total	**3.4938**	**30.8046**	**33.1368**	**0.0561**		**1.6103**	**1.6103**		**1.5143**	**1.5143**		**5,335.9879**	**5,335.9879**	**1.3331**		**5,363.9827**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1903	1.0376	3.5007	4.8200e-003	0.1455	0.0261	0.1715	0.0412	0.0240	0.0652		448.7345	448.7345	3.0900e-003		448.7994
Worker	0.1877	0.3083	2.5671	6.8600e-003	0.6359	4.0500e-003	0.6399	0.1687	3.7600e-003	0.1724		461.7471	461.7471	0.0270		462.3140
Total	**0.3779**	**1.3459**	**6.0678**	**0.0117**	**0.7813**	**0.0301**	**0.8114**	**0.2099**	**0.0278**	**0.2376**		**910.4816**	**910.4816**	**0.0301**		**911.1134**

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4938	24.6437	33.1368	0.0561		1.6103	1.6103		1.5143	1.5143	0.0000	5,335.9878	5,335.9878	1.3331		5,363.9827
Total	**3.4938**	**24.6437**	**33.1368**	**0.0561**		**1.6103**	**1.6103**		**1.5143**	**1.5143**	**0.0000**	**5,335.9878**	**5,335.9878**	**1.3331**		**5,363.9827**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1903	1.0376	3.5007	4.8200e-003	0.1455	0.0261	0.1715	0.0412	0.0240	0.0652		448.7345	448.7345	3.0900e-003		448.7994
Worker	0.1877	0.3083	2.5671	6.8600e-003	0.6359	4.0500e-003	0.6399	0.1687	3.7600e-003	0.1724		461.7471	461.7471	0.0270		462.3140
Total	**0.3779**	**1.3459**	**6.0678**	**0.0117**	**0.7813**	**0.0301**	**0.8114**	**0.2099**	**0.0278**	**0.2376**		**910.4816**	**910.4816**	**0.0301**		**911.1134**

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9929	18.8789	20.6121	0.0317		1.0178	1.0178		0.9468	0.9468		3,036.6970	3,036.6970	0.8488		3,054.5221
Paving	0.2358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.2287**	**18.8789**	**20.6121**	**0.0317**		**1.0178**	**1.0178**		**0.9468**	**0.9468**		**3,036.6970**	**3,036.6970**	**0.8488**		**3,054.5221**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0370	0.0608	0.5067	1.3500e-003	0.1255	8.0000e-004	0.1263	0.0333	7.4000e-004	0.0340		91.1343	91.1343	5.3300e-003		91.2462
Total	**0.0370**	**0.0608**	**0.5067**	**1.3500e-003**	**0.1255**	**8.0000e-004**	**0.1263**	**0.0333**	**7.4000e-004**	**0.0340**		**91.1343**	**91.1343**	**5.3300e-003**		**91.2462**

3.4 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9929	15.1031	20.6121	0.0317		1.0178	1.0178		0.9468	0.9468	0.0000	3,036.6970	3,036.6970	0.8488		3,054.5221
Paving	0.2358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.2287**	**15.1031**	**20.6121**	**0.0317**		**1.0178**	**1.0178**		**0.9468**	**0.9468**	**0.0000**	**3,036.6970**	**3,036.6970**	**0.8488**		**3,054.5221**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0370	0.0608	0.5067	1.3500e-003	0.1255	8.0000e-004	0.1263	0.0333	7.4000e-004	0.0340		91.1343	91.1343	5.3300e-003		91.2462
Total	**0.0370**	**0.0608**	**0.5067**	**1.3500e-003**	**0.1255**	**8.0000e-004**	**0.1263**	**0.0333**	**7.4000e-004**	**0.0340**		**91.1343**	**91.1343**	**5.3300e-003**		**91.2462**

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.4705					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2312	1.8220	2.6211	4.2100e-003		0.0894	0.0894		0.0888	0.0888		401.4770	401.4770	0.0571		402.6770
Total	**38.7017**	**1.8220**	**2.6211**	**4.2100e-003**		**0.0894**	**0.0894**		**0.0888**	**0.0888**		**401.4770**	**401.4770**	**0.0571**		**402.6770**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1482	0.2434	2.0267	5.4100e-003	1.8109	3.2000e-003	1.8141	0.4544	2.9700e-003	0.4574		364.5372	364.5372	0.0213		364.9848
Total	**0.1482**	**0.2434**	**2.0267**	**5.4100e-003**	**1.8109**	**3.2000e-003**	**1.8141**	**0.4544**	**2.9700e-003**	**0.4574**		**364.5372**	**364.5372**	**0.0213**		**364.9848**

3.5 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.4705					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2312	1.4576	2.6211	4.2100e-003		0.0894	0.0894		0.0888	0.0888	0.0000	401.4770	401.4770	0.0571		402.6770
Total	**38.7017**	**1.4576**	**2.6211**	**4.2100e-003**		**0.0894**	**0.0894**		**0.0888**	**0.0888**	**0.0000**	**401.4770**	**401.4770**	**0.0571**		**402.6770**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1482	0.2434	2.0267	5.4100e-003	1.8109	3.2000e-003	1.8141	0.4544	2.9700e-003	0.4574		364.5372	364.5372	0.0213		364.9848
Total	**0.1482**	**0.2434**	**2.0267**	**5.4100e-003**	**1.8109**	**3.2000e-003**	**1.8141**	**0.4544**	**2.9700e-003**	**0.4574**		**364.5372**	**364.5372**	**0.0213**		**364.9848**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.4008	15.7380	87.5498	0.1596	10.7700	0.3165	11.0866	2.8745	0.2918	3.1663		11,969.3106	11,969.3106	0.4649		11,979.0735
Unmitigated	7.4008	15.7380	87.5498	0.1596	10.7700	0.3165	11.0866	2.8745	0.2918	3.1663		11,969.3106	11,969.3106	0.4649		11,979.0735

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	1,374.50	561.50	60.50	1,750,888	1,750,888
Library	1,639.80	1,396.50	764.70	2,547,548	2,547,548
Parking Lot	0.00	0.00	0.00		
Total	3,014.30	1,958.00	825.20	4,298,436	4,298,436

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
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1
Library	12.50	4.20	5.40	52.00	43.00	5.00	44	44	12
Parking Lot	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.468274	0.065853	0.171566	0.160721	0.037144	0.005993	0.010932	0.070408	0.001346	0.001223	0.003501	0.000506	0.002534

5.0 Energy Detail

4.4 Fleet Mix

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	0.0510	0.4637	0.3895	2.7800e-003		0.0352	0.0352		0.0352	0.0352		556.3900	556.3900	0.0107	0.0102	559.7761
NaturalGas Unmitigated	0.0510	0.4637	0.3895	2.7800e-003		0.0352	0.0352		0.0352	0.0352		556.3900	556.3900	0.0107	0.0102	559.7761

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					
Junior College (2Yr)	1993.15	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154
Library	2736.16	0.0295	0.2683	0.2253	1.6100e-003		0.0204	0.0204		0.0204	0.0204		321.9017	321.9017	6.1700e-003	5.9000e-003	323.8607
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0510**	**0.4637**	**0.3895**	**2.7800e-003**		**0.0352**	**0.0352**		**0.0352**	**0.0352**		**556.3900**	**556.3900**	**0.0107**	**0.0102**	**559.7761**

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					
Library	2.73616	0.0295	0.2683	0.2253	1.6100e-003		0.0204	0.0204		0.0204	0.0204		321.9017	321.9017	6.1700e-003	5.9000e-003	323.8607
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	1.99315	0.0215	0.1954	0.1641	1.1700e-003		0.0149	0.0149		0.0149	0.0149		234.4883	234.4883	4.4900e-003	4.3000e-003	235.9154
Total		**0.0510**	**0.4637**	**0.3895**	**2.7800e-003**		**0.0352**	**0.0352**		**0.0352**	**0.0352**		**556.3900**	**556.3900**	**0.0107**	**0.0102**	**559.7761**

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	4.3821	3.1000e-004	0.0336	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0722	0.0722	1.9000e-004		0.0762
Unmitigated	4.3821	3.1000e-004	0.0336	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0722	0.0722	1.9000e-004		0.0762

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	0.5270					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8520					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.1100e-003	3.1000e-004	0.0336	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0722	0.0722	1.9000e-004		0.0762
Total	**4.3821**	**3.1000e-004**	**0.0336**	**0.0000**		**1.2000e-004**	**1.2000e-004**		**1.2000e-004**	**1.2000e-004**		**0.0722**	**0.0722**	**1.9000e-004**		**0.0762**

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	0.5270					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8520					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.1100e-003	3.1000e-004	0.0336	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0722	0.0722	1.9000e-004		0.0762
Total	**4.3821**	**3.1000e-004**	**0.0336**	**0.0000**		**1.2000e-004**	**1.2000e-004**		**1.2000e-004**	**1.2000e-004**		**0.0722**	**0.0722**	**1.9000e-004**		**0.0762**

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 Vegetation

College of the Desert, West Valley Campus Phase 4

Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	440.00	Space	3.96	176,000.00	0
Junior College (2Yr)	90.00	1000sqft	3.07	90,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase IV development of the COD West Valley Campus, Palm Springs California. (Note: CalEEMod does not allow for a 2027 operational year, therefore, 2030 was used)

Land Use - Land use assumptions based on project Master Plan. Junior college includes 40,000 SF conference center. 1 acre was added to college/conference footprint to account for landscaping.

Construction Phase - Assumes a 18 month buildout for Phase IV.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT -

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition -

Grading - Specifics of Phase 3 development grading are currently unknown. The sites cut/fill total was applied to Phase 1 with demo of the PS Mall. To be conservative, it is assumed that 10,000 CY will be imported.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Trip rates the College were not provided for Phase IV in the Traffic Report. Therefore, default ITE trip rates for a Junior College were assumed.

Road Dust - All roads are paved.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00

tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstructionPhase	NumDays	20.00	30.00
tblGrading	AcresOfGrading	37.50	7.00
tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	LotAcreage	2.07	3.07
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
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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
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2030
tblRoadDust	RoadPercentPave	50	100

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					
2024	0.4754	3.7835	5.3493	9.8800e-003	0.2101	0.1809	0.3910	0.0717	0.1693	0.2410	0.0000	815.4787	815.4787	0.1643	0.0000	818.9287
2025	0.8047	1.0507	1.6784	3.0400e-003	0.0786	0.0484	0.1270	0.0204	0.0454	0.0658	0.0000	248.2524	248.2524	0.0515	0.0000	249.3339
Total	**1.2801**	**4.8342**	**7.0277**	**0.0129**	**0.2887**	**0.2293**	**0.5180**	**0.0921**	**0.2147**	**0.3068**	**0.0000**	**1,063.7311**	**1,063.7311**	**0.2158**	**0.0000**	**1,068.2625**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.4754	3.0810	5.3493	9.8800e-003	0.1728	0.1809	0.3537	0.0524	0.1693	0.2218	0.0000	815.4780	815.4780	0.1643	0.0000	818.9279
2025	0.8047	0.8526	1.6784	3.0400e-003	0.0786	0.0484	0.1270	0.0204	0.0454	0.0658	0.0000	248.2521	248.2521	0.0515	0.0000	249.3336
Total	**1.2801**	**3.9336**	**7.0277**	**0.0129**	**0.2514**	**0.2293**	**0.4807**	**0.0728**	**0.2147**	**0.2875**	**0.0000**	**1,063.7301**	**1,063.7301**	**0.2158**	**0.0000**	**1,068.2615**

	ROG	NOx	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**	**18.63**	**0.00**	**0.00**	**12.92**	**0.00**	**7.20**	**20.92**	**0.00**	**6.28**	**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	tons/yr										MT/yr					
Area	1.1497	4.0000e-005	4.8500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.4700e-003	9.4700e-003	2.0000e-005	0.0000	9.9800e-003
Energy	7.0600e-003	0.0642	0.0539	3.9000e-004		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003	0.0000	342.3909	342.3909	0.0139	3.8700e-003	343.8827
Mobile	0.8169	1.5700	8.6563	0.0187	1.2032	0.0347	1.2379	0.3213	0.0320	0.3533	0.0000	1,228.2929	1,228.2929	0.0447	0.0000	1,229.2316
Waste						0.0000	0.0000		0.0000	0.0000	23.7499	0.0000	23.7499	1.4036	0.0000	53.2252
Water						0.0000	0.0000		0.0000	0.0000	1.4005	38.4008	39.8013	0.1456	3.7600e-003	44.0252
Total	**1.9737**	**1.6342**	**8.7151**	**0.0190**	**1.2032**	**0.0396**	**1.2428**	**0.3213**	**0.0369**	**0.3582**	**25.1504**	**1,609.0941**	**1,634.2445**	**1.6078**	**7.6300e-003**	**1,670.3746**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.1497	4.0000e-005	4.8500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.4700e-003	9.4700e-003	2.0000e-005	0.0000	9.9800e-003
Energy	7.0600e-003	0.0642	0.0539	3.9000e-004		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003	0.0000	342.3909	342.3909	0.0139	3.8700e-003	343.8827
Mobile	0.8169	1.5700	8.6563	0.0187	1.2032	0.0347	1.2379	0.3213	0.0320	0.3533	0.0000	1,228.2929	1,228.2929	0.0447	0.0000	1,229.2316
Waste						0.0000	0.0000		0.0000	0.0000	23.7499	0.0000	23.7499	1.4036	0.0000	53.2252
Water						0.0000	0.0000		0.0000	0.0000	1.4005	38.4008	39.8013	0.1456	3.7600e-003	44.0229
Total	**1.9737**	**1.6342**	**8.7151**	**0.0190**	**1.2032**	**0.0396**	**1.2428**	**0.3213**	**0.0369**	**0.3582**	**25.1504**	**1,609.0941**	**1,634.2445**	**1.6078**	**7.6300e-003**	**1,670.3723**

	ROG	NOx	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	Grading	Grading	1/1/2024	2/2/2024	5	25	
2	Building Construction	Building Construction	2/3/2024	3/28/2025	5	300	
3	Paving	Paving	3/29/2025	5/9/2025	5	30	
4	Architectural Coating	Architectural Coating	5/10/2025	6/20/2025	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 7

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 142,920; Non-Residential Outdoor: 47,640 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40
Demolition	Rubber Tired Loaders	2	6.00	199	0.36
Demolition	Signal Boards	1	6.00	6	0.82
Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42
Grading	Plate Compactors	1	6.00	8	0.43
Grading	Rubber Tired Dozers	1	6.00	255	0.40

Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45
Paving	Concrete/Industrial Saws	1	6.00	81	0.73
Paving	Graders	1	6.00	174	0.41
Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	1	6.00	6	0.82
Paving	Sweepers/Scrubbers	1	6.00	64	0.46

Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	13	33.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	112.00	44.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	11	28.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	22.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	22.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	22.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	22.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0612	0.0000	0.0612	0.0316	0.0000	0.0316	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0396	0.3665	0.3881	6.3000e-004		0.0189	0.0189		0.0174	0.0174	0.0000	54.7293	54.7293	0.0175	0.0000	55.0978
Total	**0.0396**	**0.3665**	**0.3881**	**6.3000e-004**	**0.0612**	**0.0189**	**0.0801**	**0.0316**	**0.0174**	**0.0490**	**0.0000**	**54.7293**	**54.7293**	**0.0175**	**0.0000**	**55.0978**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.4700e-003	0.0637	0.1193	4.3000e-004	0.0108	2.6900e-003	0.0135	2.9700e-003	2.4700e-003	5.4500e-003	0.0000	37.0780	37.0780	2.1000e-004	0.0000	37.0824
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0200e-003	1.5300e-003	0.0143	4.0000e-005	3.4100e-003	2.0000e-005	3.4300e-003	9.1000e-004	2.0000e-005	9.3000e-004	0.0000	2.3748	2.3748	1.3000e-004	0.0000	2.3775
Total	**8.4900e-003**	**0.0652**	**0.1335**	**4.7000e-004**	**0.0142**	**2.7100e-003**	**0.0170**	**3.8800e-003**	**2.4900e-003**	**6.3800e-003**	**0.0000**	**39.4528**	**39.4528**	**3.4000e-004**	**0.0000**	**39.4599**

3.2 Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0239	0.0000	0.0239	0.0123	0.0000	0.0123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0396	0.2932	0.3881	6.3000e-004		0.0189	0.0189		0.0174	0.0174	0.0000	54.7293	54.7293	0.0175	0.0000	55.0977
Total	**0.0396**	**0.2932**	**0.3881**	**6.3000e-004**	**0.0239**	**0.0189**	**0.0427**	**0.0123**	**0.0174**	**0.0297**	**0.0000**	**54.7293**	**54.7293**	**0.0175**	**0.0000**	**55.0977**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.4700e-003	0.0637	0.1193	4.3000e-004	0.0108	2.6900e-003	0.0135	2.9700e-003	2.4700e-003	5.4500e-003	0.0000	37.0780	37.0780	2.1000e-004	0.0000	37.0824
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0200e-003	1.5300e-003	0.0143	4.0000e-005	3.4100e-003	2.0000e-005	3.4300e-003	9.1000e-004	2.0000e-005	9.3000e-004	0.0000	2.3748	2.3748	1.3000e-004	0.0000	2.3775
Total	**8.4900e-003**	**0.0652**	**0.1335**	**4.7000e-004**	**0.0142**	**2.7100e-003**	**0.0170**	**3.8800e-003**	**2.4900e-003**	**6.3800e-003**	**0.0000**	**39.4528**	**39.4528**	**3.4000e-004**	**0.0000**	**39.4599**

3.3 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3664	3.1462	3.9021	6.6500e-003		0.1543	0.1543		0.1449	0.1449	0.0000	573.6511	573.6511	0.1418	0.0000	576.6283
Total	**0.3664**	**3.1462**	**3.9021**	**6.6500e-003**		**0.1543**	**0.1543**		**0.1449**	**0.1449**	**0.0000**	**573.6511**	**573.6511**	**0.1418**	**0.0000**	**576.6283**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0280	0.1566	0.4669	8.4000e-004	0.0250	4.2600e-003	0.0293	7.1000e-003	3.9200e-003	0.0110	0.0000	71.2378	71.2378	4.5000e-004	0.0000	71.2473
Worker	0.0330	0.0491	0.4587	1.2800e-003	0.1097	7.3000e-004	0.1105	0.0291	6.8000e-004	0.0298	0.0000	76.4078	76.4078	4.1700e-003	0.0000	76.4955
Total	**0.0609**	**0.2057**	**0.9256**	**2.1200e-003**	**0.1347**	**4.9900e-003**	**0.1397**	**0.0362**	**4.6000e-003**	**0.0408**	**0.0000**	**147.6456**	**147.6456**	**4.6200e-003**	**0.0000**	**147.7427**

3.3 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3664	2.5170	3.9021	6.6500e-003		0.1543	0.1543		0.1449	0.1449	0.0000	573.6504	573.6504	0.1418	0.0000	576.6276
Total	**0.3664**	**2.5170**	**3.9021**	**6.6500e-003**		**0.1543**	**0.1543**		**0.1449**	**0.1449**	**0.0000**	**573.6504**	**573.6504**	**0.1418**	**0.0000**	**576.6276**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0280	0.1566	0.4669	8.4000e-004	0.0250	4.2600e-003	0.0293	7.1000e-003	3.9200e-003	0.0110	0.0000	71.2378	71.2378	4.5000e-004	0.0000	71.2473
Worker	0.0330	0.0491	0.4587	1.2800e-003	0.1097	7.3000e-004	0.1105	0.0291	6.8000e-004	0.0298	0.0000	76.4078	76.4078	4.1700e-003	0.0000	76.4955
Total	**0.0609**	**0.2057**	**0.9256**	**2.1200e-003**	**0.1347**	**4.9900e-003**	**0.1397**	**0.0362**	**4.6000e-003**	**0.0408**	**0.0000**	**147.6456**	**147.6456**	**4.6200e-003**	**0.0000**	**147.7427**

3.3 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0900	0.7539	1.0322	1.7700e-003		0.0354	0.0354		0.0332	0.0332	0.0000	152.5152	152.5152	0.0375	0.0000	153.3033
Total	**0.0900**	**0.7539**	**1.0322**	**1.7700e-003**		**0.0354**	**0.0354**		**0.0332**	**0.0332**	**0.0000**	**152.5152**	**152.5152**	**0.0375**	**0.0000**	**153.3033**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	7.2900e-003	0.0413	0.1228	2.2000e-004	6.6500e-003	1.1400e-003	7.7800e-003	1.8900e-003	1.0400e-003	2.9300e-003	0.0000	18.9312	18.9312	1.2000e-004	0.0000	18.9337
Worker	8.5100e-003	0.0127	0.1187	3.4000e-004	0.0292	2.0000e-004	0.0294	7.7400e-003	1.8000e-004	7.9300e-003	0.0000	20.1044	20.1044	1.0900e-003	0.0000	20.1273
Total	**0.0158**	**0.0540**	**0.2415**	**5.6000e-004**	**0.0358**	**1.3400e-003**	**0.0371**	**9.6300e-003**	**1.2200e-003**	**0.0109**	**0.0000**	**39.0356**	**39.0356**	**1.2100e-003**	**0.0000**	**39.0610**

3.3 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0900	0.6032	1.0322	1.7700e-003		0.0354	0.0354		0.0332	0.0332	0.0000	152.5150	152.5150	0.0375	0.0000	153.3031
Total	**0.0900**	**0.6032**	**1.0322**	**1.7700e-003**		**0.0354**	**0.0354**		**0.0332**	**0.0332**	**0.0000**	**152.5150**	**152.5150**	**0.0375**	**0.0000**	**153.3031**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	7.2900e-003	0.0413	0.1228	2.2000e-004	6.6500e-003	1.1400e-003	7.7800e-003	1.8900e-003	1.0400e-003	2.9300e-003	0.0000	18.9312	18.9312	1.2000e-004	0.0000	18.9337
Worker	8.5100e-003	0.0127	0.1187	3.4000e-004	0.0292	2.0000e-004	0.0294	7.7400e-003	1.8000e-004	7.9300e-003	0.0000	20.1044	20.1044	1.0900e-003	0.0000	20.1273
Total	**0.0158**	**0.0540**	**0.2415**	**5.6000e-004**	**0.0358**	**1.3400e-003**	**0.0371**	**9.6300e-003**	**1.2200e-003**	**0.0109**	**0.0000**	**39.0356**	**39.0356**	**1.2100e-003**	**0.0000**	**39.0610**

3.4 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0241	0.2135	0.3070	4.8000e-004		0.0107	0.0107		9.9700e-003	9.9700e-003	0.0000	41.3229	41.3229	0.0115	0.0000	41.5642
Paving	5.1900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0293**	**0.2135**	**0.3070**	**4.8000e-004**		**0.0107**	**0.0107**		**9.9700e-003**	**9.9700e-003**	**0.0000**	**41.3229**	**41.3229**	**0.0115**	**0.0000**	**41.5642**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.0100e-003	1.5200e-003	0.0141	4.0000e-005	3.4700e-003	2.0000e-005	3.5000e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.3934	2.3934	1.3000e-004	0.0000	2.3961
Total	**1.0100e-003**	**1.5200e-003**	**0.0141**	**4.0000e-005**	**3.4700e-003**	**2.0000e-005**	**3.5000e-003**	**9.2000e-004**	**2.0000e-005**	**9.4000e-004**	**0.0000**	**2.3934**	**2.3934**	**1.3000e-004**	**0.0000**	**2.3961**

3.4 Paving - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0241	0.1708	0.3070	4.8000e-004		0.0107	0.0107		9.9700e-003	9.9700e-003	0.0000	41.3229	41.3229	0.0115	0.0000	41.5641
Paving	5.1900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0293**	**0.1708**	**0.3070**	**4.8000e-004**		**0.0107**	**0.0107**		**9.9700e-003**	**9.9700e-003**	**0.0000**	**41.3229**	**41.3229**	**0.0115**	**0.0000**	**41.5641**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.0100e-003	1.5200e-003	0.0141	4.0000e-005	3.4700e-003	2.0000e-005	3.5000e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.3934	2.3934	1.3000e-004	0.0000	2.3961
Total	**1.0100e-003**	**1.5200e-003**	**0.0141**	**4.0000e-005**	**3.4700e-003**	**2.0000e-005**	**3.5000e-003**	**9.2000e-004**	**2.0000e-005**	**9.4000e-004**	**0.0000**	**2.3934**	**2.3934**	**1.3000e-004**	**0.0000**	**2.3961**

3.5 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6624					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9400e-003	0.0229	0.0392	6.0000e-005		8.7000e-004	8.7000e-004		8.6000e-004	8.6000e-004	0.0000	5.4632	5.4632	7.4000e-004	0.0000	5.4787
Total	**0.6654**	**0.0229**	**0.0392**	**6.0000e-005**		**8.7000e-004**	**8.7000e-004**		**8.6000e-004**	**8.6000e-004**	**0.0000**	**5.4632**	**5.4632**	**7.4000e-004**	**0.0000**	**5.4787**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1800e-003	4.7700e-003	0.0444	1.3000e-004	0.0393	7.0000e-005	0.0394	9.8700e-003	7.0000e-005	9.9400e-003	0.0000	7.5221	7.5221	4.1000e-004	0.0000	7.5306
Total	**3.1800e-003**	**4.7700e-003**	**0.0444**	**1.3000e-004**	**0.0393**	**7.0000e-005**	**0.0394**	**9.8700e-003**	**7.0000e-005**	**9.9400e-003**	**0.0000**	**7.5221**	**7.5221**	**4.1000e-004**	**0.0000**	**7.5306**

3.5 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6624					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9400e-003	0.0184	0.0392	6.0000e-005		8.7000e-004	8.7000e-004		8.6000e-004	8.6000e-004	0.0000	5.4632	5.4632	7.4000e-004	0.0000	5.4787
Total	**0.6654**	**0.0184**	**0.0392**	**6.0000e-005**		**8.7000e-004**	**8.7000e-004**		**8.6000e-004**	**8.6000e-004**	**0.0000**	**5.4632**	**5.4632**	**7.4000e-004**	**0.0000**	**5.4787**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1800e-003	4.7700e-003	0.0444	1.3000e-004	0.0393	7.0000e-005	0.0394	9.8700e-003	7.0000e-005	9.9400e-003	0.0000	7.5221	7.5221	4.1000e-004	0.0000	7.5306
Total	**3.1800e-003**	**4.7700e-003**	**0.0444**	**1.3000e-004**	**0.0393**	**7.0000e-005**	**0.0394**	**9.8700e-003**	**7.0000e-005**	**9.9400e-003**	**0.0000**	**7.5221**	**7.5221**	**4.1000e-004**	**0.0000**	**7.5306**

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	0.8169	1.5700	8.6563	0.0187	1.2032	0.0347	1.2379	0.3213	0.0320	0.3533	0.0000	1,228.2929	1,228.2929	0.0447	0.0000	1,229.2316
Unmitigated	0.8169	1.5700	8.6563	0.0187	1.2032	0.0347	1.2379	0.3213	0.0320	0.3533	0.0000	1,228.2929	1,228.2929	0.0447	0.0000	1,229.2316

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	2,474.10	1,010.70	108.90	3,151,598	3,151,598
Parking Lot	0.00	0.00	0.00		
Total	2,474.10	1,010.70	108.90	3,151,598	3,151,598

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
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1
Parking Lot	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.469614	0.066142	0.173873	0.163382	0.035024	0.005630	0.009899	0.067518	0.001256	0.001244	0.003209	0.000474	0.002734

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	272.5110	272.5110	0.0125	2.5900e-003	273.5775
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	272.5110	272.5110	0.0125	2.5900e-003	273.5775
NaturalGas Mitigated	7.0600e-003	0.0642	0.0539	3.9000e-004		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003	0.0000	69.8799	69.8799	1.3400e-003	1.2800e-003	70.3052
NaturalGas Unmitigated	7.0600e-003	0.0642	0.0539	3.9000e-004		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003	0.0000	69.8799	69.8799	1.3400e-003	1.2800e-003	70.3052

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					
Junior College (2Yr)	1.3095e+006	7.0600e-003	0.0642	0.0539	3.9000e-004		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003	0.0000	69.8799	69.8799	1.3400e-003	1.2800e-003	70.3052
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**7.0600e-003**	**0.0642**	**0.0539**	**3.9000e-004**		**4.8800e-003**	**4.8800e-003**		**4.8800e-003**	**4.8800e-003**	**0.0000**	**69.8799**	**69.8799**	**1.3400e-003**	**1.2800e-003**	**70.3052**

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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	1.3095e+006	7.0600e-003	0.0642	0.0539	3.9000e-004		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003	0.0000	69.8799	69.8799	1.3400e-003	1.2800e-003	70.3052
Total		**7.0600e-003**	**0.0642**	**0.0539**	**3.9000e-004**		**4.8800e-003**	**4.8800e-003**		**4.8800e-003**	**4.8800e-003**	**0.0000**	**69.8799**	**69.8799**	**1.3400e-003**	**1.2800e-003**	**70.3052**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	797400	228.1895	0.0105	2.1700e-003	229.0825
Parking Lot	154880	44.3215	2.0400e-003	4.2000e-004	44.4950
Total		**272.5110**	**0.0125**	**2.5900e-003**	**273.5775**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	797400	228.1895	0.0105	2.1700e-003	229.0825
Parking Lot	154880	44.3215	2.0400e-003	4.2000e-004	44.4950
Total		**272.5110**	**0.0125**	**2.5900e-003**	**273.5775**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.1497	4.0000e-005	4.8500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.4700e-003	9.4700e-003	2.0000e-005	0.0000	9.9800e-003
Unmitigated	1.1497	4.0000e-005	4.8500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.4700e-003	9.4700e-003	2.0000e-005	0.0000	9.9800e-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	0.1104					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0389					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.4000e-004	4.0000e-005	4.8500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.4700e-003	9.4700e-003	2.0000e-005	0.0000	9.9800e-003
Total	**1.1497**	**4.0000e-005**	**4.8500e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**9.4700e-003**	**9.4700e-003**	**2.0000e-005**	**0.0000**	**9.9800e-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	0.1104					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0389					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.4000e-004	4.0000e-005	4.8500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.4700e-003	9.4700e-003	2.0000e-005	0.0000	9.9800e-003
Total	**1.1497**	**4.0000e-005**	**4.8500e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**9.4700e-003**	**9.4700e-003**	**2.0000e-005**	**0.0000**	**9.9800e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	39.8013	0.1456	3.7600e-003	44.0229
Unmitigated	39.8013	0.1456	3.7600e-003	44.0252

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	4.41441 / 6.90459	39.8013	0.1456	3.7600e-003	44.0252
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**39.8013**	**0.1456**	**3.7600e-003**	**44.0252**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	4.41441 / 6.90459	39.8013	0.1456	3.7600e-003	44.0229
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**39.8013**	**0.1456**	**3.7600e-003**	**44.0229**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	23.7499	1.4036	0.0000	53.2252
Unmitigated	23.7499	1.4036	0.0000	53.2252

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	117	23.7499	1.4036	0.0000	53.2252
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**23.7499**	**1.4036**	**0.0000**	**53.2252**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	117	23.7499	1.4036	0.0000	53.2252
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**23.7499**	**1.4036**	**0.0000**	**53.2252**

9.0 Operational Offroad

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

10.0 Vegetation

College of the Desert, West Valley Campus Phase 4

Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	440.00	Space	3.96	176,000.00	0
Junior College (2Yr)	90.00	1000sqft	3.07	90,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase IV development of the COD West Valley Campus, Palm Springs California. (Note: CalEEMod does not allow for a 2027 operational year, therefore, 2030 was used)

Land Use - Land use assumptions based on project Master Plan. Junior college includes 40,000 SF conference center. 1 acre was added to college/conference footprint to account for landscaping.

Construction Phase - Assumes a 18 month buildout for Phase IV.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT -

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition -

Grading - Specifics of Phase 3 development grading are currently unknown. The sites cut/fill total was applied to Phase 1 with demo of the PS Mall. To be conservative, it is assumed that 10,000 CY will be imported.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Trip rates the College were not provided for Phase IV in the Traffic Report. Therefore, default ITE trip rates for a Junior College were assumed.

Road Dust - All roads are paved.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	230.00	300.00
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	20.00	30.00
tblGrading	AcresOfGrading	37.50	7.00
tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	LotAcreage	2.07	3.07
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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tblOffRoadEquipment	UsageHours	8.00	6.00
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tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00

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tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2030
tblRoadDust	RoadPercentPave	50	100

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					
2024	3.8559	34.2277	41.1560	0.0881	6.0447	1.7279	7.7726	2.8401	1.5911	4.4312	0.0000	8,312.8856	8,312.8856	1.5769	0.0000	8,346.0014
2025	44.6158	25.5749	40.4692	0.0743	2.6560	1.1649	2.7190	0.6665	1.0929	1.4019	0.0000	6,719.7183	6,719.7183	1.3555	0.0000	6,748.1831
Total	**48.4718**	**59.8025**	**81.6252**	**0.1625**	**8.7007**	**2.8928**	**10.4915**	**3.5066**	**2.6840**	**5.8331**	**0.0000**	**15,032.6039**	**15,032.6039**	**2.9324**	**0.0000**	**15,094.1845**

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					
2024	3.8559	28.3632	41.1560	0.0881	3.0598	1.7279	4.7877	1.2988	1.5911	2.8899	0.0000	8,312.8856	8,312.8856	1.5769	0.0000	8,346.0014
2025	44.6158	20.7880	40.4692	0.0743	2.6560	1.1649	2.7190	0.6665	1.0929	1.4019	0.0000	6,719.7183	6,719.7183	1.3555	0.0000	6,748.1831
Total	**48.4718**	**49.1512**	**81.6252**	**0.1625**	**5.7158**	**2.8928**	**7.5067**	**1.9652**	**2.6840**	**4.2918**	**0.0000**	**15,032.6039**	**15,032.6039**	**2.9324**	**0.0000**	**15,094.1845**

	ROG	NOx	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**	**17.81**	**0.00**	**0.00**	**34.31**	**0.00**	**28.45**	**43.96**	**0.00**	**26.42**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.3023	4.8000e-004	0.0538	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1160	0.1160	3.0000e-004		0.1223
Energy	0.0387	0.3517	0.2955	2.1100e-003		0.0267	0.0267		0.0267	0.0267		422.0790	422.0790	8.0900e-003	7.7400e-003	424.6477
Mobile	6.7521	10.5703	62.1670	0.1336	8.5876	0.2445	8.8321	2.2913	0.2254	2.5168		9,688.1109	9,688.1109	0.3473		9,695.4048
Total	**13.0931**	**10.9225**	**62.5163**	**0.1358**	**8.5876**	**0.2714**	**8.8590**	**2.2913**	**0.2524**	**2.5437**		**10,110.3058**	**10,110.3058**	**0.3557**	**7.7400e-003**	**10,120.1748**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.3023	4.8000e-004	0.0538	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1160	0.1160	3.0000e-004		0.1223
Energy	0.0387	0.3517	0.2955	2.1100e-003		0.0267	0.0267		0.0267	0.0267		422.0790	422.0790	8.0900e-003	7.7400e-003	424.6477
Mobile	6.7521	10.5703	62.1670	0.1336	8.5876	0.2445	8.8321	2.2913	0.2254	2.5168		9,688.1109	9,688.1109	0.3473		9,695.4048
Total	**13.0931**	**10.9225**	**62.5163**	**0.1358**	**8.5876**	**0.2714**	**8.8590**	**2.2913**	**0.2524**	**2.5437**		**10,110.3058**	**10,110.3058**	**0.3557**	**7.7400e-003**	**10,120.1748**

	ROG	NOx	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	Grading	Grading	1/1/2024	2/2/2024	5	25	
2	Building Construction	Building Construction	2/3/2024	3/28/2025	5	300	
3	Paving	Paving	3/29/2025	5/9/2025	5	30	
4	Architectural Coating	Architectural Coating	5/10/2025	6/20/2025	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 7

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 142,920; Non-Residential Outdoor: 47,640 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40
Demolition	Rubber Tired Loaders	2	6.00	199	0.36
Demolition	Signal Boards	1	6.00	6	0.82

Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42
Grading	Plate Compactors	1	6.00	8	0.43
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45
Paving	Concrete/Industrial Saws	1	6.00	81	0.73
Paving	Graders	1	6.00	174	0.41

Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	1	6.00	6	0.82
Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	13	33.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	112.00	44.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	11	28.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	22.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	22.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	22.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	22.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.8932	0.0000	4.8932	2.5268	0.0000	2.5268			0.0000			0.0000
Off-Road	3.1676	29.3222	31.0451	0.0501		1.5112	1.5112		1.3917	1.3917		4,826.3001	4,826.3001	1.5471		4,858.7897
Total	**3.1676**	**29.3222**	**31.0451**	**0.0501**	**4.8932**	**1.5112**	**6.4043**	**2.5268**	**1.3917**	**3.9185**		**4,826.3001**	**4,826.3001**	**1.5471**		**4,858.7897**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5887	4.7914	8.8411	0.0348	0.8754	0.2149	1.0903	0.2401	0.1977	0.4378		3,273.1724	3,273.1724	0.0184		3,273.5583
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0997	0.1140	1.2699	3.2500e-003	0.2761	1.8200e-003	0.2779	0.0732	1.6900e-003	0.0749		213.4132	213.4132	0.0114		213.6535
Total	**0.6883**	**4.9054**	**10.1110**	**0.0381**	**1.1515**	**0.2168**	**1.3683**	**0.3133**	**0.1994**	**0.5127**		**3,486.5856**	**3,486.5856**	**0.0298**		**3,487.2117**

3.2 Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9083	0.0000	1.9083	0.9855	0.0000	0.9855			0.0000			0.0000
Off-Road	3.1676	23.4578	31.0451	0.0501		1.5112	1.5112		1.3917	1.3917	0.0000	4,826.3001	4,826.3001	1.5471		4,858.7897
Total	**3.1676**	**23.4578**	**31.0451**	**0.0501**	**1.9083**	**1.5112**	**3.4195**	**0.9855**	**1.3917**	**2.3771**	**0.0000**	**4,826.3001**	**4,826.3001**	**1.5471**		**4,858.7897**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5887	4.7914	8.8411	0.0348	0.8754	0.2149	1.0903	0.2401	0.1977	0.4378		3,273.1724	3,273.1724	0.0184		3,273.5583
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0997	0.1140	1.2699	3.2500e-003	0.2761	1.8200e-003	0.2779	0.0732	1.6900e-003	0.0749		213.4132	213.4132	0.0114		213.6535
Total	**0.6883**	**4.9054**	**10.1110**	**0.0381**	**1.1515**	**0.2168**	**1.3683**	**0.3133**	**0.1994**	**0.5127**		**3,486.5856**	**3,486.5856**	**0.0298**		**3,487.2117**

3.3 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0918	26.5502	32.9290	0.0562		1.3019	1.3019		1.2224	1.2224		5,336.2200	5,336.2200	1.3188		5,363.9147
Total	**3.0918**	**26.5502**	**32.9290**	**0.0562**		**1.3019**	**1.3019**		**1.2224**	**1.2224**		**5,336.2200**	**5,336.2200**	**1.3188**		**5,363.9147**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2316	1.2721	3.5446	7.1300e-003	0.2132	0.0358	0.2491	0.0604	0.0330	0.0934		665.8384	665.8384	4.1000e-003		665.9245
Worker	0.3382	0.3871	4.3100	0.0110	0.9371	6.1800e-003	0.9433	0.2486	5.7400e-003	0.2543		724.3113	724.3113	0.0388		725.1269
Total	**0.5698**	**1.6591**	**7.8546**	**0.0182**	**1.1503**	**0.0420**	**1.1923**	**0.3090**	**0.0387**	**0.3477**		**1,390.1497**	**1,390.1497**	**0.0429**		**1,391.0514**

3.3 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0918	21.2401	32.9290	0.0562		1.3019	1.3019		1.2224	1.2224	0.0000	5,336.2200	5,336.2200	1.3188		5,363.9147
Total	**3.0918**	**21.2401**	**32.9290**	**0.0562**		**1.3019**	**1.3019**		**1.2224**	**1.2224**	**0.0000**	**5,336.2200**	**5,336.2200**	**1.3188**		**5,363.9147**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2316	1.2721	3.5446	7.1300e-003	0.2132	0.0358	0.2491	0.0604	0.0330	0.0934		665.8384	665.8384	4.1000e-003		665.9245
Worker	0.3382	0.3871	4.3100	0.0110	0.9371	6.1800e-003	0.9433	0.2486	5.7400e-003	0.2543		724.3113	724.3113	0.0388		725.1269
Total	**0.5698**	**1.6591**	**7.8546**	**0.0182**	**1.1503**	**0.0420**	**1.1923**	**0.3090**	**0.0387**	**0.3477**		**1,390.1497**	**1,390.1497**	**0.0429**		**1,391.0514**

3.3 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8570	23.9347	32.7684	0.0562		1.1228	1.1228		1.0541	1.0541		5,337.1184	5,337.1184	1.3132		5,364.6954
Total	**2.8570**	**23.9347**	**32.7684**	**0.0562**		**1.1228**	**1.1228**		**1.0541**	**1.0541**		**5,337.1184**	**5,337.1184**	**1.3132**		**5,364.6954**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2272	1.2625	3.5072	7.1300e-003	0.2132	0.0359	0.2491	0.0604	0.0331	0.0935		665.6477	665.6477	4.1100e-003		665.7340
Worker	0.3278	0.3777	4.1936	0.0110	0.9371	6.2300e-003	0.9433	0.2486	5.7800e-003	0.2543		716.9522	716.9522	0.0382		717.7538
Total	**0.5550**	**1.6402**	**7.7008**	**0.0182**	**1.1503**	**0.0422**	**1.1924**	**0.3090**	**0.0388**	**0.3478**		**1,382.5999**	**1,382.5999**	**0.0423**		**1,383.4878**

3.3 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8570	19.1477	32.7684	0.0562		1.1228	1.1228		1.0541	1.0541	0.0000	5,337.1184	5,337.1184	1.3132		5,364.6954
Total	**2.8570**	**19.1477**	**32.7684**	**0.0562**		**1.1228**	**1.1228**		**1.0541**	**1.0541**	**0.0000**	**5,337.1184**	**5,337.1184**	**1.3132**		**5,364.6954**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2272	1.2625	3.5072	7.1300e-003	0.2132	0.0359	0.2491	0.0604	0.0331	0.0935		665.6477	665.6477	4.1100e-003		665.7340
Worker	0.3278	0.3777	4.1936	0.0110	0.9371	6.2300e-003	0.9433	0.2486	5.7800e-003	0.2543		716.9522	716.9522	0.0382		717.7538
Total	**0.5550**	**1.6402**	**7.7008**	**0.0182**	**1.1503**	**0.0422**	**1.1924**	**0.3090**	**0.0388**	**0.3478**		**1,382.5999**	**1,382.5999**	**0.0423**		**1,383.4878**

3.4 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6080	14.2333	20.4679	0.0317		0.7146	0.7146		0.6645	0.6645		3,036.7156	3,036.7156	0.8441		3,054.4423
Paving	0.3458					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9538**	**14.2333**	**20.4679**	**0.0317**		**0.7146**	**0.7146**		**0.6645**	**0.6645**		**3,036.7156**	**3,036.7156**	**0.8441**		**3,054.4423**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0820	0.0944	1.0484	2.7600e-003	0.2343	1.5600e-003	0.2358	0.0621	1.4500e-003	0.0636		179.2380	179.2380	9.5400e-003		179.4384
Total	**0.0820**	**0.0944**	**1.0484**	**2.7600e-003**	**0.2343**	**1.5600e-003**	**0.2358**	**0.0621**	**1.4500e-003**	**0.0636**		**179.2380**	**179.2380**	**9.5400e-003**		**179.4384**

3.4 Paving - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6080	11.3867	20.4679	0.0317		0.7146	0.7146		0.6645	0.6645	0.0000	3,036.7156	3,036.7156	0.8441		3,054.4423
Paving	0.3458					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9538**	**11.3867**	**20.4679**	**0.0317**		**0.7146**	**0.7146**		**0.6645**	**0.6645**	**0.0000**	**3,036.7156**	**3,036.7156**	**0.8441**		**3,054.4423**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0820	0.0944	1.0484	2.7600e-003	0.2343	1.5600e-003	0.2358	0.0621	1.4500e-003	0.0636		179.2380	179.2380	9.5400e-003		179.4384
Total	**0.0820**	**0.0944**	**1.0484**	**2.7600e-003**	**0.2343**	**1.5600e-003**	**0.2358**	**0.0621**	**1.4500e-003**	**0.0636**		**179.2380**	**179.2380**	**9.5400e-003**		**179.4384**

3.5 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	44.1623					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1960	1.5296	2.6144	4.2100e-003		0.0581	0.0581		0.0576	0.0576		401.4770	401.4770	0.0542		402.6146
Total	**44.3583**	**1.5296**	**2.6144**	**4.2100e-003**		**0.0581**	**0.0581**		**0.0576**	**0.0576**		**401.4770**	**401.4770**	**0.0542**		**402.6146**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2576	0.2968	3.2950	8.6700e-003	2.6560	4.9000e-003	2.6609	0.6665	4.5400e-003	0.6710		563.3196	563.3196	0.0300		563.9494
Total	**0.2576**	**0.2968**	**3.2950**	**8.6700e-003**	**2.6560**	**4.9000e-003**	**2.6609**	**0.6665**	**4.5400e-003**	**0.6710**		**563.3196**	**563.3196**	**0.0300**		**563.9494**

3.5 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	44.1623					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1960	1.2237	2.6144	4.2100e-003		0.0581	0.0581		0.0576	0.0576	0.0000	401.4770	401.4770	0.0542		402.6146
Total	**44.3583**	**1.2237**	**2.6144**	**4.2100e-003**		**0.0581**	**0.0581**		**0.0576**	**0.0576**	**0.0000**	**401.4770**	**401.4770**	**0.0542**		**402.6146**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2576	0.2968	3.2950	8.6700e-003	2.6560	4.9000e-003	2.6609	0.6665	4.5400e-003	0.6710		563.3196	563.3196	0.0300		563.9494
Total	**0.2576**	**0.2968**	**3.2950**	**8.6700e-003**	**2.6560**	**4.9000e-003**	**2.6609**	**0.6665**	**4.5400e-003**	**0.6710**		**563.3196**	**563.3196**	**0.0300**		**563.9494**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.7521	10.5703	62.1670	0.1336	8.5876	0.2445	8.8321	2.2913	0.2254	2.5168		9,688.1109	9,688.1109	0.3473		9,695.4048
Unmitigated	6.7521	10.5703	62.1670	0.1336	8.5876	0.2445	8.8321	2.2913	0.2254	2.5168		9,688.1109	9,688.1109	0.3473		9,695.4048

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	2,474.10	1,010.70	108.90	3,151,598	3,151,598
Parking Lot	0.00	0.00	0.00		
Total	2,474.10	1,010.70	108.90	3,151,598	3,151,598

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
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1
Parking Lot	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.469614	0.066142	0.173873	0.163382	0.035024	0.005630	0.009899	0.067518	0.001256	0.001244	0.003209	0.000474	0.002734

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	0.0387	0.3517	0.2955	2.1100e-003		0.0267	0.0267		0.0267	0.0267		422.0790	422.0790	8.0900e-003	7.7400e-003	424.6477
NaturalGas Unmitigated	0.0387	0.3517	0.2955	2.1100e-003		0.0267	0.0267		0.0267	0.0267		422.0790	422.0790	8.0900e-003	7.7400e-003	424.6477

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					
Junior College (2Yr)	3587.67	0.0387	0.3517	0.2955	2.1100e-003		0.0267	0.0267		0.0267	0.0267		422.0790	422.0790	8.0900e-003	7.7400e-003	424.6477
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0387**	**0.3517**	**0.2955**	**2.1100e-003**		**0.0267**	**0.0267**		**0.0267**	**0.0267**		**422.0790**	**422.0790**	**8.0900e-003**	**7.7400e-003**	**424.6477**

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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	3.58767	0.0387	0.3517	0.2955	2.1100e-003		0.0267	0.0267		0.0267	0.0267		422.0790	422.0790	8.0900e-003	7.7400e-003	424.6477
Total		**0.0387**	**0.3517**	**0.2955**	**2.1100e-003**		**0.0267**	**0.0267**		**0.0267**	**0.0267**		**422.0790**	**422.0790**	**8.0900e-003**	**7.7400e-003**	**424.6477**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.3023	4.8000e-004	0.0538	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1160	0.1160	3.0000e-004		0.1223
Unmitigated	6.3023	4.8000e-004	0.0538	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1160	0.1160	3.0000e-004		0.1223

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	0.6050					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6924					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.9300e-003	4.8000e-004	0.0538	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1160	0.1160	3.0000e-004		0.1223
Total	**6.3023**	**4.8000e-004**	**0.0538**	**0.0000**		**1.9000e-004**	**1.9000e-004**		**1.9000e-004**	**1.9000e-004**		**0.1160**	**0.1160**	**3.0000e-004**		**0.1223**

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	0.6050					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6924					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.9300e-003	4.8000e-004	0.0538	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1160	0.1160	3.0000e-004		0.1223
Total	**6.3023**	**4.8000e-004**	**0.0538**	**0.0000**		**1.9000e-004**	**1.9000e-004**		**1.9000e-004**	**1.9000e-004**		**0.1160**	**0.1160**	**3.0000e-004**		**0.1223**

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 Vegetation

College of the Desert, West Valley Campus Phase 4

Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	440.00	Space	3.96	176,000.00	0
Junior College (2Yr)	90.00	1000sqft	3.07	90,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase IV development of the COD West Valley Campus, Palm Springs California. (Note: CalEEMod does not allow for a 2027 operational year, therefore, 2030 was used)

Land Use - Land use assumptions based on project Master Plan. Junior college includes 40,000 SF conference center. 1 acre was added to college/conference footprint to account for landscaping.

Construction Phase - Assumes a 18 month buildout for Phase IV.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT -

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition -

Grading - Specifics of Phase 3 development grading are currently unknown. The sites cut/fill total was applied to Phase 1 with demo of the PS Mall. To be conservative, it is assumed that 10,000 CY will be imported.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Trip rates the College were not provided for Phase IV in the Traffic Report. Therefore, default ITE trip rates for a Junior College were assumed.

Road Dust - All roads are paved.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

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tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
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tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
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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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	20.00	30.00
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tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	LotAcreage	2.07	3.07
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOnRoadDust	WorkerPercentPave	50.00	100.00

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tblOnRoadDust	WorkerPercentPave	50.00	100.00
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tblRoadDust	RoadPercentPave	50	100

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					
2024	3.8691	34.6093	43.2562	0.0878	6.0447	1.7283	7.7729	2.8401	1.5915	4.4315	0.0000	8,289.0687	8,289.0687	1.5774	0.0000	8,322.1935
2025	44.5554	25.6725	40.9846	0.0735	2.6560	1.1652	2.7190	0.6665	1.0932	1.4022	0.0000	6,659.7647	6,659.7647	1.3557	0.0000	6,688.2347
Total	**48.4245**	**60.2818**	**84.2407**	**0.1613**	**8.7007**	**2.8935**	**10.4919**	**3.5066**	**2.6847**	**5.8337**	**0.0000**	**14,948.8334**	**14,948.8334**	**2.9331**	**0.0000**	**15,010.4282**

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					
2024	3.8691	28.7449	43.2562	0.0878	3.0598	1.7283	4.7881	1.2988	1.5915	2.8902	0.0000	8,289.0687	8,289.0687	1.5774	0.0000	8,322.1935
2025	44.5554	20.8856	40.9846	0.0735	2.6560	1.1652	2.7190	0.6665	1.0932	1.4022	0.0000	6,659.7647	6,659.7647	1.3557	0.0000	6,688.2347
Total	**48.4245**	**49.6305**	**84.2407**	**0.1613**	**5.7158**	**2.8935**	**7.5071**	**1.9652**	**2.6847**	**4.2924**	**0.0000**	**14,948.8334**	**14,948.8334**	**2.9331**	**0.0000**	**15,010.4282**

	ROG	NOx	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**	**17.67**	**0.00**	**0.00**	**34.31**	**0.00**	**28.45**	**43.96**	**0.00**	**26.42**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.3023	4.8000e-004	0.0538	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1160	0.1160	3.0000e-004		0.1223
Energy	0.0387	0.3517	0.2955	2.1100e-003		0.0267	0.0267		0.0267	0.0267		422.0790	422.0790	8.0900e-003	7.7400e-003	424.6477
Mobile	5.5722	11.3034	65.7529	0.1265	8.5876	0.2459	8.8335	2.2913	0.2268	2.5181		9,215.4063	9,215.4063	0.3489		9,222.7324
Total	**11.9131**	**11.6556**	**66.1022**	**0.1286**	**8.5876**	**0.2728**	**8.8605**	**2.2913**	**0.2537**	**2.5450**		**9,637.6012**	**9,637.6012**	**0.3573**	**7.7400e-003**	**9,647.5024**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.3023	4.8000e-004	0.0538	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1160	0.1160	3.0000e-004		0.1223
Energy	0.0387	0.3517	0.2955	2.1100e-003		0.0267	0.0267		0.0267	0.0267		422.0790	422.0790	8.0900e-003	7.7400e-003	424.6477
Mobile	5.5722	11.3034	65.7529	0.1265	8.5876	0.2459	8.8335	2.2913	0.2268	2.5181		9,215.4063	9,215.4063	0.3489		9,222.7324
Total	**11.9131**	**11.6556**	**66.1022**	**0.1286**	**8.5876**	**0.2728**	**8.8605**	**2.2913**	**0.2537**	**2.5450**		**9,637.6012**	**9,637.6012**	**0.3573**	**7.7400e-003**	**9,647.5024**

	ROG	NOx	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	Grading	Grading	1/1/2024	2/2/2024	5	25	
2	Building Construction	Building Construction	2/3/2024	3/28/2025	5	300	
3	Paving	Paving	3/29/2025	5/9/2025	5	30	
4	Architectural Coating	Architectural Coating	5/10/2025	6/20/2025	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 7

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 142,920; Non-Residential Outdoor: 47,640 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40
Demolition	Rubber Tired Loaders	2	6.00	199	0.36
Demolition	Signal Boards	1	6.00	6	0.82

Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42
Grading	Plate Compactors	1	6.00	8	0.43
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45
Paving	Concrete/Industrial Saws	1	6.00	81	0.73
Paving	Graders	1	6.00	174	0.41

Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	1	6.00	6	0.82
Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	13	33.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	112.00	44.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	11	28.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	22.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	22.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	22.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	22.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.8932	0.0000	4.8932	2.5268	0.0000	2.5268			0.0000			0.0000
Off-Road	3.1676	29.3222	31.0451	0.0501		1.5112	1.5112		1.3917	1.3917		4,826.3001	4,826.3001	1.5471		4,858.7897
Total	**3.1676**	**29.3222**	**31.0451**	**0.0501**	**4.8932**	**1.5112**	**6.4043**	**2.5268**	**1.3917**	**3.9185**		**4,826.3001**	**4,826.3001**	**1.5471**		**4,858.7897**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6255	5.1614	11.1713	0.0348	0.8754	0.2153	1.0907	0.2401	0.1981	0.4381		3,264.9451	3,264.9451	0.0188		3,265.3400
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0760	0.1257	1.0398	3.0100e-003	0.2761	1.8200e-003	0.2779	0.0732	1.6900e-003	0.0749		197.8235	197.8235	0.0114		198.0638
Total	**0.7015**	**5.2871**	**12.2111**	**0.0378**	**1.1515**	**0.2171**	**1.3686**	**0.3133**	**0.1998**	**0.5131**		**3,462.7686**	**3,462.7686**	**0.0303**		**3,463.4038**

3.2 Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9083	0.0000	1.9083	0.9855	0.0000	0.9855			0.0000			0.0000
Off-Road	3.1676	23.4578	31.0451	0.0501		1.5112	1.5112		1.3917	1.3917	0.0000	4,826.3001	4,826.3001	1.5471		4,858.7897
Total	**3.1676**	**23.4578**	**31.0451**	**0.0501**	**1.9083**	**1.5112**	**3.4195**	**0.9855**	**1.3917**	**2.3771**	**0.0000**	**4,826.3001**	**4,826.3001**	**1.5471**		**4,858.7897**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6255	5.1614	11.1713	0.0348	0.8754	0.2153	1.0907	0.2401	0.1981	0.4381		3,264.9451	3,264.9451	0.0188		3,265.3400
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0760	0.1257	1.0398	3.0100e-003	0.2761	1.8200e-003	0.2779	0.0732	1.6900e-003	0.0749		197.8235	197.8235	0.0114		198.0638
Total	**0.7015**	**5.2871**	**12.2111**	**0.0378**	**1.1515**	**0.2171**	**1.3686**	**0.3133**	**0.1998**	**0.5131**		**3,462.7686**	**3,462.7686**	**0.0303**		**3,463.4038**

3.3 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0918	26.5502	32.9290	0.0562		1.3019	1.3019		1.2224	1.2224		5,336.2200	5,336.2200	1.3188		5,363.9147
Total	**3.0918**	**26.5502**	**32.9290**	**0.0562**		**1.3019**	**1.3019**		**1.2224**	**1.2224**		**5,336.2200**	**5,336.2200**	**1.3188**		**5,363.9147**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2549	1.3323	4.8366	7.0700e-003	0.2132	0.0361	0.2494	0.0604	0.0332	0.0937		658.2906	658.2906	4.3500e-003		658.3819
Worker	0.2579	0.4266	3.5291	0.0102	0.9371	6.1800e-003	0.9433	0.2486	5.7400e-003	0.2543		671.4010	671.4010	0.0388		672.2165
Total	**0.5128**	**1.7589**	**8.3657**	**0.0173**	**1.1503**	**0.0423**	**1.1926**	**0.3090**	**0.0390**	**0.3479**		**1,329.6915**	**1,329.6915**	**0.0432**		**1,330.5984**

3.3 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0918	21.2401	32.9290	0.0562		1.3019	1.3019		1.2224	1.2224	0.0000	5,336.2200	5,336.2200	1.3188		5,363.9147
Total	**3.0918**	**21.2401**	**32.9290**	**0.0562**		**1.3019**	**1.3019**		**1.2224**	**1.2224**	**0.0000**	**5,336.2200**	**5,336.2200**	**1.3188**		**5,363.9147**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2549	1.3323	4.8366	7.0700e-003	0.2132	0.0361	0.2494	0.0604	0.0332	0.0937		658.2906	658.2906	4.3500e-003		658.3819
Worker	0.2579	0.4266	3.5291	0.0102	0.9371	6.1800e-003	0.9433	0.2486	5.7400e-003	0.2543		671.4010	671.4010	0.0388		672.2165
Total	**0.5128**	**1.7589**	**8.3657**	**0.0173**	**1.1503**	**0.0423**	**1.1926**	**0.3090**	**0.0390**	**0.3479**		**1,329.6915**	**1,329.6915**	**0.0432**		**1,330.5984**

3.3 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8570	23.9347	32.7684	0.0562		1.1228	1.1228		1.0541	1.0541		5,337.1184	5,337.1184	1.3132		5,364.6954
Total	**2.8570**	**23.9347**	**32.7684**	**0.0562**		**1.1228**	**1.1228**		**1.0541**	**1.0541**		**5,337.1184**	**5,337.1184**	**1.3132**		**5,364.6954**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2497	1.3217	4.7847	7.0700e-003	0.2132	0.0362	0.2494	0.0604	0.0333	0.0937		658.0996	658.0996	4.3500e-003		658.1910
Worker	0.2509	0.4162	3.4315	0.0102	0.9371	6.2300e-003	0.9433	0.2486	5.7800e-003	0.2543		664.5468	664.5468	0.0382		665.3484
Total	**0.5007**	**1.7379**	**8.2162**	**0.0173**	**1.1503**	**0.0425**	**1.1927**	**0.3090**	**0.0391**	**0.3481**		**1,322.6464**	**1,322.6464**	**0.0425**		**1,323.5394**

3.3 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8570	19.1477	32.7684	0.0562		1.1228	1.1228		1.0541	1.0541	0.0000	5,337.1184	5,337.1184	1.3132		5,364.6954
Total	**2.8570**	**19.1477**	**32.7684**	**0.0562**		**1.1228**	**1.1228**		**1.0541**	**1.0541**	**0.0000**	**5,337.1184**	**5,337.1184**	**1.3132**		**5,364.6954**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2497	1.3217	4.7847	7.0700e-003	0.2132	0.0362	0.2494	0.0604	0.0333	0.0937		658.0996	658.0996	4.3500e-003		658.1910
Worker	0.2509	0.4162	3.4315	0.0102	0.9371	6.2300e-003	0.9433	0.2486	5.7800e-003	0.2543		664.5468	664.5468	0.0382		665.3484
Total	**0.5007**	**1.7379**	**8.2162**	**0.0173**	**1.1503**	**0.0425**	**1.1927**	**0.3090**	**0.0391**	**0.3481**		**1,322.6464**	**1,322.6464**	**0.0425**		**1,323.5394**

3.4 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6080	14.2333	20.4679	0.0317		0.7146	0.7146		0.6645	0.6645		3,036.7156	3,036.7156	0.8441		3,054.4423
Paving	0.3458					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9538**	**14.2333**	**20.4679**	**0.0317**		**0.7146**	**0.7146**		**0.6645**	**0.6645**		**3,036.7156**	**3,036.7156**	**0.8441**		**3,054.4423**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0627	0.1041	0.8579	2.5600e-003	0.2343	1.5600e-003	0.2358	0.0621	1.4500e-003	0.0636		166.1367	166.1367	9.5400e-003		166.3371
Total	**0.0627**	**0.1041**	**0.8579**	**2.5600e-003**	**0.2343**	**1.5600e-003**	**0.2358**	**0.0621**	**1.4500e-003**	**0.0636**		**166.1367**	**166.1367**	**9.5400e-003**		**166.3371**

3.4 Paving - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6080	11.3867	20.4679	0.0317		0.7146	0.7146		0.6645	0.6645	0.0000	3,036.7156	3,036.7156	0.8441		3,054.4423
Paving	0.3458					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9538**	**11.3867**	**20.4679**	**0.0317**		**0.7146**	**0.7146**		**0.6645**	**0.6645**	**0.0000**	**3,036.7156**	**3,036.7156**	**0.8441**		**3,054.4423**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0627	0.1041	0.8579	2.5600e-003	0.2343	1.5600e-003	0.2358	0.0621	1.4500e-003	0.0636		166.1367	166.1367	9.5400e-003		166.3371
Total	**0.0627**	**0.1041**	**0.8579**	**2.5600e-003**	**0.2343**	**1.5600e-003**	**0.2358**	**0.0621**	**1.4500e-003**	**0.0636**		**166.1367**	**166.1367**	**9.5400e-003**		**166.3371**

3.5 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	44.1623					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1960	1.5296	2.6144	4.2100e-003		0.0581	0.0581		0.0576	0.0576		401.4770	401.4770	0.0542		402.6146
Total	**44.3583**	**1.5296**	**2.6144**	**4.2100e-003**		**0.0581**	**0.0581**		**0.0576**	**0.0576**		**401.4770**	**401.4770**	**0.0542**		**402.6146**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1972	0.3270	2.6962	8.0300e-003	2.6560	4.9000e-003	2.6609	0.6665	4.5400e-003	0.6710		522.1439	522.1439	0.0300		522.7737
Total	**0.1972**	**0.3270**	**2.6962**	**8.0300e-003**	**2.6560**	**4.9000e-003**	**2.6609**	**0.6665**	**4.5400e-003**	**0.6710**		**522.1439**	**522.1439**	**0.0300**		**522.7737**

3.5 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	44.1623					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1960	1.2237	2.6144	4.2100e-003		0.0581	0.0581		0.0576	0.0576	0.0000	401.4770	401.4770	0.0542		402.6146
Total	**44.3583**	**1.2237**	**2.6144**	**4.2100e-003**		**0.0581**	**0.0581**		**0.0576**	**0.0576**	**0.0000**	**401.4770**	**401.4770**	**0.0542**		**402.6146**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1972	0.3270	2.6962	8.0300e-003	2.6560	4.9000e-003	2.6609	0.6665	4.5400e-003	0.6710		522.1439	522.1439	0.0300		522.7737
Total	**0.1972**	**0.3270**	**2.6962**	**8.0300e-003**	**2.6560**	**4.9000e-003**	**2.6609**	**0.6665**	**4.5400e-003**	**0.6710**		**522.1439**	**522.1439**	**0.0300**		**522.7737**

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	5.5722	11.3034	65.7529	0.1265	8.5876	0.2459	8.8335	2.2913	0.2268	2.5181		9,215.4063	9,215.4063	0.3489		9,222.7324
Unmitigated	5.5722	11.3034	65.7529	0.1265	8.5876	0.2459	8.8335	2.2913	0.2268	2.5181		9,215.4063	9,215.4063	0.3489		9,222.7324

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	2,474.10	1,010.70	108.90	3,151,598	3,151,598
Parking Lot	0.00	0.00	0.00		
Total	2,474.10	1,010.70	108.90	3,151,598	3,151,598

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
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1
Parking Lot	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.469614	0.066142	0.173873	0.163382	0.035024	0.005630	0.009899	0.067518	0.001256	0.001244	0.003209	0.000474	0.002734

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	0.0387	0.3517	0.2955	2.1100e-003		0.0267	0.0267		0.0267	0.0267		422.0790	422.0790	8.0900e-003	7.7400e-003	424.6477
NaturalGas Unmitigated	0.0387	0.3517	0.2955	2.1100e-003		0.0267	0.0267		0.0267	0.0267		422.0790	422.0790	8.0900e-003	7.7400e-003	424.6477

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					
Junior College (2Yr)	3587.67	0.0387	0.3517	0.2955	2.1100e-003		0.0267	0.0267		0.0267	0.0267		422.0790	422.0790	8.0900e-003	7.7400e-003	424.6477
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0387**	**0.3517**	**0.2955**	**2.1100e-003**		**0.0267**	**0.0267**		**0.0267**	**0.0267**		**422.0790**	**422.0790**	**8.0900e-003**	**7.7400e-003**	**424.6477**

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					
Junior College (2Yr)	3.58767	0.0387	0.3517	0.2955	2.1100e-003		0.0267	0.0267		0.0267	0.0267		422.0790	422.0790	8.0900e-003	7.7400e-003	424.6477
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0387**	**0.3517**	**0.2955**	**2.1100e-003**		**0.0267**	**0.0267**		**0.0267**	**0.0267**		**422.0790**	**422.0790**	**8.0900e-003**	**7.7400e-003**	**424.6477**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.3023	4.8000e-004	0.0538	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1160	0.1160	3.0000e-004		0.1223
Unmitigated	6.3023	4.8000e-004	0.0538	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1160	0.1160	3.0000e-004		0.1223

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	0.6050					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6924					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.9300e-003	4.8000e-004	0.0538	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1160	0.1160	3.0000e-004		0.1223
Total	**6.3023**	**4.8000e-004**	**0.0538**	**0.0000**		**1.9000e-004**	**1.9000e-004**		**1.9000e-004**	**1.9000e-004**		**0.1160**	**0.1160**	**3.0000e-004**		**0.1223**

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	0.6050					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6924					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.9300e-003	4.8000e-004	0.0538	0.0000		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		0.1160	0.1160	3.0000e-004		0.1223
Total	**6.3023**	**4.8000e-004**	**0.0538**	**0.0000**		**1.9000e-004**	**1.9000e-004**		**1.9000e-004**	**1.9000e-004**		**0.1160**	**0.1160**	**3.0000e-004**		**0.1223**

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 Vegetation

College of the Desert, West Valley Campus Phase 5

Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	240.00	Space	2.16	96,000.00	0
Junior College (2Yr)	60.00	1000sqft	2.38	60,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase V development of the COD West Valley Campus, Palm Springs California.

Land Use - Land use assumptions based on project Master Plan. Junior college includes 10,000 SF of campus retail. 1 acre was added to college/retail footprint to account for landscaping.

Construction Phase - Assumes a 14 month buildout for Phase V.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT -

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition -

Grading - Specifics of Phase 5 development grading are currently unknown. The sites cut/fill total was applied to Phase 1 with demo of the PS Mall. To be conservative, it is assumed that 10,000 CY will be imported.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Trip rates the College were not provided for Phase V in the Traffic Report. Therefore, default ITE trip rates for a Junior College were assumed.

Road Dust - All roads are paved.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
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tblConstructionPhase	NumDays	18.00	20.00
tblConstructionPhase	NumDays	230.00	250.00
tblConstructionPhase	NumDays	8.00	10.00
tblConstructionPhase	NumDays	18.00	20.00
tblConstructionPhase	PhaseEndDate	1/27/2028	1/28/2028
tblConstructionPhase	PhaseStartDate	12/31/2027	1/1/2028
tblGrading	AcresOfGrading	15.00	4.00
tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	LotAcreage	1.38	2.38
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

tblOffRoadEquipment	UsageHours	8.00	6.00
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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
tblProjectCharacteristics	OperationalYear	2014	2030
tblRoadDust	RoadPercentPave	50	100
tblTripsAndVMT	WorkerTripNumber	35.00	28.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2027	0.4149	3.3066	4.9182	9.0400e-003	0.1217	0.1526	0.2743	0.0387	0.1430	0.1817	0.0000	755.7645	755.7645	0.1590	0.0000	759.1027
2028	0.4621	0.1793	0.2833	4.8000e-004	0.0178	8.5300e-003	0.0263	4.5000e-003	7.9700e-003	0.0125	0.0000	39.0767	39.0767	9.3500e-003	0.0000	39.2729
Total	**0.8770**	**3.4858**	**5.2015**	**9.5200e-003**	**0.1395**	**0.1611**	**0.3006**	**0.0432**	**0.1510**	**0.1942**	**0.0000**	**794.8412**	**794.8412**	**0.1683**	**0.0000**	**798.3757**

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					
2027	0.4149	2.6879	4.9182	9.0400e-003	0.1060	0.1526	0.2586	0.0309	0.1430	0.1739	0.0000	755.7638	755.7638	0.1590	0.0000	759.1020
2028	0.4621	0.1456	0.2833	4.8000e-004	0.0178	8.5300e-003	0.0263	4.5000e-003	7.9700e-003	0.0125	0.0000	39.0766	39.0766	9.3500e-003	0.0000	39.2729
Total	**0.8770**	**2.8335**	**5.2015**	**9.5200e-003**	**0.1238**	**0.1611**	**0.2849**	**0.0354**	**0.1510**	**0.1864**	**0.0000**	**794.8404**	**794.8404**	**0.1683**	**0.0000**	**798.3749**

	ROG	NOx	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**	**18.71**	**0.00**	**0.00**	**11.24**	**0.00**	**5.22**	**18.10**	**0.00**	**4.02**	**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	tons/yr										MT/yr					
Area	0.6824	2.0000e-005	2.7400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.3600e-003	5.3600e-003	1.0000e-005	0.0000	5.6500e-003
Energy	4.7100e-003	0.0428	0.0360	2.6000e-004		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003	0.0000	222.8883	222.8883	9.0000e-003	2.5300e-003	223.8618
Mobile	0.5446	1.0467	5.7709	0.0124	0.8021	0.0231	0.8252	0.2142	0.0213	0.2356	0.0000	818.8620	818.8620	0.0298	0.0000	819.4877
Waste						0.0000	0.0000		0.0000	0.0000	15.8333	0.0000	15.8333	0.9357	0.0000	35.4834
Water						0.0000	0.0000		0.0000	0.0000	0.9337	25.6005	26.5342	0.0971	2.5100e-003	29.3501
Total	**1.2317**	**1.0895**	**5.8096**	**0.0127**	**0.8021**	**0.0264**	**0.8285**	**0.2142**	**0.0246**	**0.2388**	**16.7670**	**1,067.3561**	**1,084.1231**	**1.0716**	**5.0400e-003**	**1,108.1887**

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	0.6824	2.0000e-005	2.7400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.3600e-003	5.3600e-003	1.0000e-005	0.0000	5.6500e-003
Energy	4.7100e-003	0.0428	0.0360	2.6000e-004		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003	0.0000	222.8883	222.8883	9.0000e-003	2.5300e-003	223.8618
Mobile	0.5446	1.0467	5.7709	0.0124	0.8021	0.0231	0.8252	0.2142	0.0213	0.2356	0.0000	818.8620	818.8620	0.0298	0.0000	819.4877
Waste						0.0000	0.0000		0.0000	0.0000	15.8333	0.0000	15.8333	0.9357	0.0000	35.4834
Water						0.0000	0.0000		0.0000	0.0000	0.9337	25.6005	26.5342	0.0971	2.5000e-003	29.3486
Total	**1.2317**	**1.0895**	**5.8096**	**0.0127**	**0.8021**	**0.0264**	**0.8285**	**0.2142**	**0.0246**	**0.2388**	**16.7670**	**1,067.3561**	**1,084.1231**	**1.0716**	**5.0300e-003**	**1,108.1872**

	ROG	NOx	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**	**0.20**	**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	Grading	Grading	1/1/2027	1/14/2027	5	10	
2	Building Construction	Building Construction	1/15/2027	12/30/2027	5	250	
3	Paving	Paving	1/1/2028	1/28/2028	5	20	
4	Architectural Coating	Architectural Coating	1/29/2028	2/25/2028	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 94,320; Non-Residential Outdoor: 31,440 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40
Demolition	Rubber Tired Loaders	2	6.00	199	0.36
Demolition	Signal Boards	1	6.00	6	0.82
Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42
Grading	Plate Compactors	1	6.00	8	0.43
Grading	Rubber Tired Dozers	1	6.00	255	0.40

Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45
Paving	Concrete/Industrial Saws	1	6.00	81	0.73
Paving	Graders	1	6.00	174	0.41
Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	1	6.00	6	0.82
Paving	Sweepers/Scrubbers	1	6.00	64	0.46

Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	13	33.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	66.00	26.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	14	28.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	13.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	13.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	13.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	13.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0257	0.0000	0.0257	0.0128	0.0000	0.0128	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0143	0.1275	0.1492	2.5000e-004		6.4800e-003	6.4800e-003		5.9700e-003	5.9700e-003	0.0000	21.8909	21.8909	7.0200e-003	0.0000	22.0382
Total	**0.0143**	**0.1275**	**0.1492**	**2.5000e-004**	**0.0257**	**6.4800e-003**	**0.0322**	**0.0128**	**5.9700e-003**	**0.0188**	**0.0000**	**21.8909**	**21.8909**	**7.0200e-003**	**0.0000**	**22.0382**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.2700e-003	0.0627	0.1184	4.3000e-004	0.0108	2.6500e-003	0.0135	2.9700e-003	2.4400e-003	5.4100e-003	0.0000	37.0744	37.0744	2.1000e-004	0.0000	37.0788
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	5.8000e-004	5.3600e-003	2.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	0.9253	0.9253	5.0000e-005	0.0000	0.9264
Total	**7.6500e-003**	**0.0633**	**0.1237**	**4.5000e-004**	**0.0122**	**2.6600e-003**	**0.0149**	**3.3300e-003**	**2.4500e-003**	**5.7800e-003**	**0.0000**	**37.9998**	**37.9998**	**2.6000e-004**	**0.0000**	**38.0052**

3.2 Grading - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0100	0.0000	0.0100	4.9900e-003	0.0000	4.9900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0143	0.1022	0.1492	2.5000e-004		6.4800e-003	6.4800e-003		5.9700e-003	5.9700e-003	0.0000	21.8908	21.8908	7.0200e-003	0.0000	22.0382
Total	**0.0143**	**0.1022**	**0.1492**	**2.5000e-004**	**0.0100**	**6.4800e-003**	**0.0165**	**4.9900e-003**	**5.9700e-003**	**0.0110**	**0.0000**	**21.8908**	**21.8908**	**7.0200e-003**	**0.0000**	**22.0382**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.2700e-003	0.0627	0.1184	4.3000e-004	0.0108	2.6500e-003	0.0135	2.9700e-003	2.4400e-003	5.4100e-003	0.0000	37.0744	37.0744	2.1000e-004	0.0000	37.0788
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	5.8000e-004	5.3600e-003	2.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	0.9253	0.9253	5.0000e-005	0.0000	0.9264
Total	**7.6500e-003**	**0.0633**	**0.1237**	**4.5000e-004**	**0.0122**	**2.6600e-003**	**0.0149**	**3.3300e-003**	**2.4500e-003**	**5.7800e-003**	**0.0000**	**37.9998**	**37.9998**	**2.6000e-004**	**0.0000**	**38.0052**

3.3 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3571	2.9918	4.0961	7.0200e-003		0.1403	0.1403		0.1318	0.1318	0.0000	605.2190	605.2190	0.1489	0.0000	608.3462
Total	**0.3571**	**2.9918**	**4.0961**	**7.0200e-003**		**0.1403**	**0.1403**		**0.1318**	**0.1318**	**0.0000**	**605.2190**	**605.2190**	**0.1489**	**0.0000**	**608.3462**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0167	0.0950	0.2814	5.2000e-004	0.0156	2.6400e-003	0.0182	4.4200e-003	2.4300e-003	6.8500e-003	0.0000	44.3877	44.3877	2.8000e-004	0.0000	44.3936
Worker	0.0192	0.0289	0.2678	8.0000e-004	0.0682	4.7000e-004	0.0687	0.0181	4.3000e-004	0.0185	0.0000	46.2671	46.2671	2.4900e-003	0.0000	46.3195
Total	**0.0358**	**0.1239**	**0.5492**	**1.3200e-003**	**0.0838**	**3.1100e-003**	**0.0869**	**0.0225**	**2.8600e-003**	**0.0254**	**0.0000**	**90.6548**	**90.6548**	**2.7700e-003**	**0.0000**	**90.7131**

3.3 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3571	2.3985	4.0960	7.0200e-003		0.1403	0.1403		0.1318	0.1318	0.0000	605.2183	605.2183	0.1489	0.0000	608.3455
Total	**0.3571**	**2.3985**	**4.0960**	**7.0200e-003**		**0.1403**	**0.1403**		**0.1318**	**0.1318**	**0.0000**	**605.2183**	**605.2183**	**0.1489**	**0.0000**	**608.3455**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0167	0.0950	0.2814	5.2000e-004	0.0156	2.6400e-003	0.0182	4.4200e-003	2.4300e-003	6.8500e-003	0.0000	44.3877	44.3877	2.8000e-004	0.0000	44.3936
Worker	0.0192	0.0289	0.2678	8.0000e-004	0.0682	4.7000e-004	0.0687	0.0181	4.3000e-004	0.0185	0.0000	46.2671	46.2671	2.4900e-003	0.0000	46.3195
Total	**0.0358**	**0.1239**	**0.5492**	**1.3200e-003**	**0.0838**	**3.1100e-003**	**0.0869**	**0.0225**	**2.8600e-003**	**0.0254**	**0.0000**	**90.6548**	**90.6548**	**2.7700e-003**	**0.0000**	**90.7131**

3.4 Paving - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0183	0.1612	0.2316	3.6000e-004		7.9000e-003	7.9000e-003		7.3600e-003	7.3600e-003	0.0000	30.9762	30.9762	8.6200e-003	0.0000	31.1572
Paving	2.8300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0211**	**0.1612**	**0.2316**	**3.6000e-004**		**7.9000e-003**	**7.9000e-003**		**7.3600e-003**	**7.3600e-003**	**0.0000**	**30.9762**	**30.9762**	**8.6200e-003**	**0.0000**	**31.1572**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4000e-004	9.7000e-004	8.9500e-003	3.0000e-005	2.3100e-003	2.0000e-005	2.3300e-003	6.1000e-004	1.0000e-005	6.3000e-004	0.0000	1.5604	1.5604	8.0000e-005	0.0000	1.5622
Total	**6.4000e-004**	**9.7000e-004**	**8.9500e-003**	**3.0000e-005**	**2.3100e-003**	**2.0000e-005**	**2.3300e-003**	**6.1000e-004**	**1.0000e-005**	**6.3000e-004**	**0.0000**	**1.5604**	**1.5604**	**8.0000e-005**	**0.0000**	**1.5622**

3.4 Paving - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0183	0.1306	0.2316	3.6000e-004		7.9000e-003	7.9000e-003		7.3600e-003	7.3600e-003	0.0000	30.9762	30.9762	8.6200e-003	0.0000	31.1571
Paving	2.8300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0211**	**0.1306**	**0.2316**	**3.6000e-004**		**7.9000e-003**	**7.9000e-003**		**7.3600e-003**	**7.3600e-003**	**0.0000**	**30.9762**	**30.9762**	**8.6200e-003**	**0.0000**	**31.1571**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4000e-004	9.7000e-004	8.9500e-003	3.0000e-005	2.3100e-003	2.0000e-005	2.3300e-003	6.1000e-004	1.0000e-005	6.3000e-004	0.0000	1.5604	1.5604	8.0000e-005	0.0000	1.5622
Total	**6.4000e-004**	**9.7000e-004**	**8.9500e-003**	**3.0000e-005**	**2.3100e-003**	**2.0000e-005**	**2.3300e-003**	**6.1000e-004**	**1.0000e-005**	**6.3000e-004**	**0.0000**	**1.5604**	**1.5604**	**8.0000e-005**	**0.0000**	**1.5622**

3.5 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9600e-003	0.0153	0.0261	4.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	3.6421	3.6421	4.9000e-004	0.0000	3.6525
Total	**0.4391**	**0.0153**	**0.0261**	**4.0000e-005**		**5.8000e-004**	**5.8000e-004**		**5.8000e-004**	**5.8000e-004**	**0.0000**	**3.6421**	**3.6421**	**4.9000e-004**	**0.0000**	**3.6525**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.1900e-003	1.8000e-003	0.0166	5.0000e-005	0.0155	3.0000e-005	0.0155	3.8900e-003	3.0000e-005	3.9200e-003	0.0000	2.8979	2.8979	1.6000e-004	0.0000	2.9012
Total	**1.1900e-003**	**1.8000e-003**	**0.0166**	**5.0000e-005**	**0.0155**	**3.0000e-005**	**0.0155**	**3.8900e-003**	**3.0000e-005**	**3.9200e-003**	**0.0000**	**2.8979**	**2.8979**	**1.6000e-004**	**0.0000**	**2.9012**

3.5 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4372					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9600e-003	0.0122	0.0261	4.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	3.6421	3.6421	4.9000e-004	0.0000	3.6525
Total	**0.4391**	**0.0122**	**0.0261**	**4.0000e-005**		**5.8000e-004**	**5.8000e-004**		**5.8000e-004**	**5.8000e-004**	**0.0000**	**3.6421**	**3.6421**	**4.9000e-004**	**0.0000**	**3.6525**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.1900e-003	1.8000e-003	0.0166	5.0000e-005	0.0155	3.0000e-005	0.0155	3.8900e-003	3.0000e-005	3.9200e-003	0.0000	2.8979	2.8979	1.6000e-004	0.0000	2.9012
Total	**1.1900e-003**	**1.8000e-003**	**0.0166**	**5.0000e-005**	**0.0155**	**3.0000e-005**	**0.0155**	**3.8900e-003**	**3.0000e-005**	**3.9200e-003**	**0.0000**	**2.8979**	**2.8979**	**1.6000e-004**	**0.0000**	**2.9012**

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	0.5446	1.0467	5.7709	0.0124	0.8021	0.0231	0.8252	0.2142	0.0213	0.2356	0.0000	818.8620	818.8620	0.0298	0.0000	819.4877
Unmitigated	0.5446	1.0467	5.7709	0.0124	0.8021	0.0231	0.8252	0.2142	0.0213	0.2356	0.0000	818.8620	818.8620	0.0298	0.0000	819.4877

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	1,649.40	673.80	72.60	2,101,065	2,101,065
Parking Lot	0.00	0.00	0.00		
Total	1,649.40	673.80	72.60	2,101,065	2,101,065

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
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1
Parking Lot	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.469614	0.066142	0.173873	0.163382	0.035024	0.005630	0.009899	0.067518	0.001256	0.001244	0.003209	0.000474	0.002734

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	176.3017	176.3017	8.1000e-003	1.6800e-003	176.9917
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	176.3017	176.3017	8.1000e-003	1.6800e-003	176.9917
NaturalGas Mitigated	4.7100e-003	0.0428	0.0360	2.6000e-004		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003	0.0000	46.5866	46.5866	8.9000e-004	8.5000e-004	46.8701
NaturalGas Unmitigated	4.7100e-003	0.0428	0.0360	2.6000e-004		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003	0.0000	46.5866	46.5866	8.9000e-004	8.5000e-004	46.8701

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					
Junior College (2Yr)	873000	4.7100e-003	0.0428	0.0360	2.6000e-004		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003	0.0000	46.5866	46.5866	8.9000e-004	8.5000e-004	46.8701
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**4.7100e-003**	**0.0428**	**0.0360**	**2.6000e-004**		**3.2500e-003**	**3.2500e-003**		**3.2500e-003**	**3.2500e-003**	**0.0000**	**46.5866**	**46.5866**	**8.9000e-004**	**8.5000e-004**	**46.8701**

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					
Junior College (2Yr)	873000	4.7100e-003	0.0428	0.0360	2.6000e-004		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003	0.0000	46.5866	46.5866	8.9000e-004	8.5000e-004	46.8701
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**4.7100e-003**	**0.0428**	**0.0360**	**2.6000e-004**		**3.2500e-003**	**3.2500e-003**		**3.2500e-003**	**3.2500e-003**	**0.0000**	**46.5866**	**46.5866**	**8.9000e-004**	**8.5000e-004**	**46.8701**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	531600	152.1263	6.9900e-003	1.4500e-003	152.7217
Parking Lot	84480	24.1754	1.1100e-003	2.3000e-004	24.2700
Total		**176.3017**	**8.1000e-003**	**1.6800e-003**	**176.9917**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	531600	152.1263	6.9900e-003	1.4500e-003	152.7217
Parking Lot	84480	24.1754	1.1100e-003	2.3000e-004	24.2700
Total		**176.3017**	**8.1000e-003**	**1.6800e-003**	**176.9917**

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	0.6824	2.0000e-005	2.7400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.3600e-003	5.3600e-003	1.0000e-005	0.0000	5.6500e-003
Unmitigated	0.6824	2.0000e-005	2.7400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.3600e-003	5.3600e-003	1.0000e-005	0.0000	5.6500e-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	0.0729					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6093					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	2.7400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.3600e-003	5.3600e-003	1.0000e-005	0.0000	5.6500e-003
Total	**0.6824**	**2.0000e-005**	**2.7400e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.3600e-003**	**5.3600e-003**	**1.0000e-005**	**0.0000**	**5.6500e-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	0.0729					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6093					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	2.7400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.3600e-003	5.3600e-003	1.0000e-005	0.0000	5.6500e-003
Total	**0.6824**	**2.0000e-005**	**2.7400e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.3600e-003**	**5.3600e-003**	**1.0000e-005**	**0.0000**	**5.6500e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	26.5342	0.0971	2.5000e-003	29.3486
Unmitigated	26.5342	0.0971	2.5100e-003	29.3501

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	2.94294 / 4.60306	26.5342	0.0971	2.5100e-003	29.3501
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**26.5342**	**0.0971**	**2.5100e-003**	**29.3501**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	2.94294 / 4.60306	26.5342	0.0971	2.5000e-003	29.3486
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**26.5342**	**0.0971**	**2.5000e-003**	**29.3486**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	15.8333	0.9357	0.0000	35.4834
Unmitigated	15.8333	0.9357	0.0000	35.4834

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	78	15.8333	0.9357	0.0000	35.4834
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**15.8333**	**0.9357**	**0.0000**	**35.4834**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	78	15.8333	0.9357	0.0000	35.4834
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**15.8333**	**0.9357**	**0.0000**	**35.4834**

9.0 Operational Offroad

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

10.0 Vegetation

College of the Desert, West Valley Campus Phase 5

Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	240.00	Space	2.16	96,000.00	0
Junior College (2Yr)	60.00	1000sqft	2.38	60,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase V development of the COD West Valley Campus, Palm Springs California.

Land Use - Land use assumptions based on project Master Plan. Junior college includes 10,000 SF of campus retail. 1 acre was added to college/retail footprint to account for landscaping.

Construction Phase - Assumes a 14 month buildout for Phase V.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT -

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition -

Grading - Specifics of Phase 5 development grading are currently unknown. The sites cut/fill total was applied to Phase 1 with demo of the PS Mall. To be conservative, it is assumed that 10,000 CY will be imported.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Trip rates the College were not provided for Phase V in the Traffic Report. Therefore, default ITE trip rates for a Junior College were assumed.

Road Dust - All roads are paved.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00

tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstructionPhase	NumDays	18.00	20.00
tblConstructionPhase	NumDays	230.00	250.00
tblConstructionPhase	NumDays	8.00	10.00
tblConstructionPhase	NumDays	18.00	20.00
tblConstructionPhase	PhaseEndDate	1/27/2028	1/28/2028
tblConstructionPhase	PhaseStartDate	12/31/2027	1/1/2028
tblGrading	AcresOfGrading	15.00	4.00
tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	LotAcreage	1.38	2.38
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
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	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	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
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2030
tblRoadDust	RoadPercentPave	50	100
tblTripsAndVMT	WorkerTripNumber	35.00	28.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	4.3920	37.4124	52.9880	0.1403	7.6046	1.8280	9.4326	3.2321	1.6832	4.9152	0.0000	13,216.1576	13,216.1576	1.6034	0.0000	13,249.8294
2028	44.0566	16.2110	24.1559	0.0387	1.5694	0.7918	1.6305	0.3938	0.7372	0.7993	0.0000	3,589.8313	3,589.8313	0.9589	0.0000	3,609.9685
Total	**48.4487**	**53.6233**	**77.1439**	**0.1790**	**9.1740**	**2.6198**	**11.0630**	**3.6259**	**2.4204**	**5.7146**	**0.0000**	**16,805.9888**	**16,805.9888**	**2.5623**	**0.0000**	**16,859.7979**

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					
2027	4.3920	32.3516	52.9880	0.1403	4.4692	1.8280	6.2972	1.6713	1.6832	3.3545	0.0000	13,216.1576	13,216.1576	1.6034	0.0000	13,249.8294
2028	44.0566	13.1507	24.1559	0.0387	1.5694	0.7918	1.6305	0.3938	0.7372	0.7993	0.0000	3,589.8313	3,589.8313	0.9589	0.0000	3,609.9685
Total	**48.4487**	**45.5023**	**77.1439**	**0.1790**	**6.0387**	**2.6198**	**7.9277**	**2.0651**	**2.4204**	**4.1538**	**0.0000**	**16,805.9888**	**16,805.9888**	**2.5623**	**0.0000**	**16,859.7979**

	ROG	NOx	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**	**15.14**	**0.00**	**0.00**	**34.18**	**0.00**	**28.34**	**43.05**	**0.00**	**27.31**	**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	3.7404	2.7000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0657	0.0657	1.7000e-004		0.0692
Energy	0.0258	0.2345	0.1970	1.4100e-003		0.0178	0.0178		0.0178	0.0178		281.3860	281.3860	5.3900e-003	5.1600e-003	283.0985
Mobile	4.5014	7.0469	41.4446	0.0891	5.7251	0.1630	5.8881	1.5275	0.1503	1.6778		6,458.7406	6,458.7406	0.2316		6,463.6032
Total	**8.2676**	**7.2816**	**41.6721**	**0.0905**	**5.7251**	**0.1809**	**5.9060**	**1.5275**	**0.1682**	**1.6958**		**6,740.1922**	**6,740.1922**	**0.2371**	**5.1600e-003**	**6,746.7709**

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	3.7404	2.7000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0657	0.0657	1.7000e-004		0.0692
Energy	0.0258	0.2345	0.1970	1.4100e-003		0.0178	0.0178		0.0178	0.0178		281.3860	281.3860	5.3900e-003	5.1600e-003	283.0985
Mobile	4.5014	7.0469	41.4446	0.0891	5.7251	0.1630	5.8881	1.5275	0.1503	1.6778		6,458.7406	6,458.7406	0.2316		6,463.6032
Total	**8.2676**	**7.2816**	**41.6721**	**0.0905**	**5.7251**	**0.1809**	**5.9060**	**1.5275**	**0.1682**	**1.6958**		**6,740.1922**	**6,740.1922**	**0.2371**	**5.1600e-003**	**6,746.7709**

	ROG	NOx	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	Grading	Grading	1/1/2027	1/14/2027	5	10	
2	Building Construction	Building Construction	1/15/2027	12/30/2027	5	250	
3	Paving	Paving	1/1/2028	1/28/2028	5	20	
4	Architectural Coating	Architectural Coating	1/29/2028	2/25/2028	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 94,320; Non-Residential Outdoor: 31,440 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40
Demolition	Rubber Tired Loaders	2	6.00	199	0.36
Demolition	Signal Boards	1	6.00	6	0.82

Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42
Grading	Plate Compactors	1	6.00	8	0.43
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45
Paving	Concrete/Industrial Saws	1	6.00	81	0.73
Paving	Graders	1	6.00	174	0.41

Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	1	6.00	6	0.82
Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	13	33.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	66.00	26.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	14	28.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	13.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	13.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	13.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	13.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.1399	0.0000	5.1399	2.5586	0.0000	2.5586			0.0000			0.0000
Off-Road	2.8645	25.5043	29.8390	0.0501		1.2961	1.2961		1.1938	1.1938		4,826.1097	4,826.1097	1.5471		4,858.5980
Total	**2.8645**	**25.5043**	**29.8390**	**0.0501**	**5.1399**	**1.2961**	**6.4360**	**2.5586**	**1.1938**	**3.7524**		**4,826.1097**	**4,826.1097**	**1.5471**		**4,858.5980**

3.2 Grading - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4349	11.8001	21.9567	0.0870	2.1886	0.5301	2.7186	0.6002	0.4877	1.0878		8,182.1546	8,182.1546	0.0454		8,183.1073
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0927	0.1080	1.1923	3.2500e-003	0.2761	1.8700e-003	0.2780	0.0732	1.7400e-003	0.0750		207.8933	207.8933	0.0110		208.1242
Total	**1.5276**	**11.9081**	**23.1490**	**0.0903**	**2.4647**	**0.5319**	**2.9966**	**0.6734**	**0.4894**	**1.1628**		**8,390.0479**	**8,390.0479**	**0.0564**		**8,391.2315**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0046	0.0000	2.0046	0.9979	0.0000	0.9979			0.0000			0.0000
Off-Road	2.8645	20.4435	29.8390	0.0501		1.2961	1.2961		1.1938	1.1938	0.0000	4,826.1097	4,826.1097	1.5471		4,858.5980
Total	**2.8645**	**20.4435**	**29.8390**	**0.0501**	**2.0046**	**1.2961**	**3.3006**	**0.9979**	**1.1938**	**2.1917**	**0.0000**	**4,826.1097**	**4,826.1097**	**1.5471**		**4,858.5980**

3.2 Grading - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4349	11.8001	21.9567	0.0870	2.1886	0.5301	2.7186	0.6002	0.4877	1.0878		8,182.1546	8,182.1546	0.0454		8,183.1073
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0927	0.1080	1.1923	3.2500e-003	0.2761	1.8700e-003	0.2780	0.0732	1.7400e-003	0.0750		207.8933	207.8933	0.0110		208.1242
Total	**1.5276**	**11.9081**	**23.1490**	**0.0903**	**2.4647**	**0.5319**	**2.9966**	**0.6734**	**0.4894**	**1.1628**		**8,390.0479**	**8,390.0479**	**0.0564**		**8,391.2315**

3.3 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8570	23.9347	32.7684	0.0562		1.1228	1.1228		1.0541	1.0541		5,337.1184	5,337.1184	1.3132		5,364.6954
Total	**2.8570**	**23.9347**	**32.7684**	**0.0562**		**1.1228**	**1.1228**		**1.0541**	**1.0541**		**5,337.1184**	**5,337.1184**	**1.3132**		**5,364.6954**

3.3 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1309	0.7322	2.0265	4.2100e-003	0.1260	0.0210	0.1470	0.0357	0.0193	0.0550		393.3064	393.3064	2.4100e-003		393.3570
Worker	0.1853	0.2160	2.3846	6.5100e-003	0.5522	3.7400e-003	0.5560	0.1465	3.4700e-003	0.1499		415.7865	415.7865	0.0220		416.2484
Total	**0.3163**	**0.9483**	**4.4111**	**0.0107**	**0.6782**	**0.0248**	**0.7030**	**0.1822**	**0.0228**	**0.2050**		**809.0929**	**809.0929**	**0.0244**		**809.6055**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8570	19.1878	32.7684	0.0562		1.1228	1.1228		1.0541	1.0541	0.0000	5,337.1184	5,337.1184	1.3132		5,364.6954
Total	**2.8570**	**19.1878**	**32.7684**	**0.0562**		**1.1228**	**1.1228**		**1.0541**	**1.0541**	**0.0000**	**5,337.1184**	**5,337.1184**	**1.3132**		**5,364.6954**

3.3 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1309	0.7322	2.0265	4.2100e-003	0.1260	0.0210	0.1470	0.0357	0.0193	0.0550		393.3064	393.3064	2.4100e-003		393.3570
Worker	0.1853	0.2160	2.3846	6.5100e-003	0.5522	3.7400e-003	0.5560	0.1465	3.4700e-003	0.1499		415.7865	415.7865	0.0220		416.2484
Total	**0.3163**	**0.9483**	**4.4111**	**0.0107**	**0.6782**	**0.0248**	**0.7030**	**0.1822**	**0.0228**	**0.2050**		**809.0929**	**809.0929**	**0.0244**		**809.6055**

3.4 Paving - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8282	16.1207	23.1601	0.0359		0.7902	0.7902		0.7357	0.7357		3,414.5460	3,414.5460	0.9497		3,434.4894
Paving	0.2830					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1112**	**16.1207**	**23.1601**	**0.0359**		**0.7902**	**0.7902**		**0.7357**	**0.7357**		**3,414.5460**	**3,414.5460**	**0.9497**		**3,434.4894**

3.4 Paving - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0772	0.0903	0.9958	2.7600e-003	0.2343	1.6000e-003	0.2359	0.0621	1.4900e-003	0.0636		175.2854	175.2854	9.2300e-003		175.4792
Total	**0.0772**	**0.0903**	**0.9958**	**2.7600e-003**	**0.2343**	**1.6000e-003**	**0.2359**	**0.0621**	**1.4900e-003**	**0.0636**		**175.2854**	**175.2854**	**9.2300e-003**		**175.4792**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8282	13.0604	23.1601	0.0359		0.7902	0.7902		0.7357	0.7357	0.0000	3,414.5459	3,414.5459	0.9497		3,434.4894
Paving	0.2830					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1112**	**13.0604**	**23.1601**	**0.0359**		**0.7902**	**0.7902**		**0.7357**	**0.7357**	**0.0000**	**3,414.5459**	**3,414.5459**	**0.9497**		**3,434.4894**

3.4 Paving - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0772	0.0903	0.9958	2.7600e-003	0.2343	1.6000e-003	0.2359	0.0621	1.4900e-003	0.0636		175.2854	175.2854	9.2300e-003		175.4792
Total	**0.0772**	**0.0903**	**0.9958**	**2.7600e-003**	**0.2343**	**1.6000e-003**	**0.2359**	**0.0621**	**1.4900e-003**	**0.0636**		**175.2854**	**175.2854**	**9.2300e-003**		**175.4792**

3.5 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.7173					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1960	1.5296	2.6144	4.2100e-003		0.0581	0.0581		0.0576	0.0576		401.4770	401.4770	0.0542		402.6146
Total	**43.9133**	**1.5296**	**2.6144**	**4.2100e-003**		**0.0581**	**0.0581**		**0.0576**	**0.0576**		**401.4770**	**401.4770**	**0.0542**		**402.6146**

3.5 Architectural Coating - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1433	0.1676	1.8494	5.1300e-003	1.5694	2.9700e-003	1.5724	0.3938	2.7600e-003	0.3966		325.5299	325.5299	0.0171		325.8899
Total	**0.1433**	**0.1676**	**1.8494**	**5.1300e-003**	**1.5694**	**2.9700e-003**	**1.5724**	**0.3938**	**2.7600e-003**	**0.3966**		**325.5299**	**325.5299**	**0.0171**		**325.8899**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	43.7173					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1960	1.2237	2.6144	4.2100e-003		0.0581	0.0581		0.0576	0.0576	0.0000	401.4770	401.4770	0.0542		402.6146
Total	**43.9133**	**1.2237**	**2.6144**	**4.2100e-003**		**0.0581**	**0.0581**		**0.0576**	**0.0576**	**0.0000**	**401.4770**	**401.4770**	**0.0542**		**402.6146**

3.5 Architectural Coating - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1433	0.1676	1.8494	5.1300e-003	1.5694	2.9700e-003	1.5724	0.3938	2.7600e-003	0.3966		325.5299	325.5299	0.0171		325.8899
Total	**0.1433**	**0.1676**	**1.8494**	**5.1300e-003**	**1.5694**	**2.9700e-003**	**1.5724**	**0.3938**	**2.7600e-003**	**0.3966**		**325.5299**	**325.5299**	**0.0171**		**325.8899**

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	4.5014	7.0469	41.4446	0.0891	5.7251	0.1630	5.8881	1.5275	0.1503	1.6778		6,458.7406	6,458.7406	0.2316		6,463.6032
Unmitigated	4.5014	7.0469	41.4446	0.0891	5.7251	0.1630	5.8881	1.5275	0.1503	1.6778		6,458.7406	6,458.7406	0.2316		6,463.6032

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	1,649.40	673.80	72.60	2,101,065	2,101,065
Parking Lot	0.00	0.00	0.00		
Total	1,649.40	673.80	72.60	2,101,065	2,101,065

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
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1
Parking Lot	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.469614	0.066142	0.173873	0.163382	0.035024	0.005630	0.009899	0.067518	0.001256	0.001244	0.003209	0.000474	0.002734

4.4 Fleet Mix

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	0.0258	0.2345	0.1970	1.4100e-003		0.0178	0.0178		0.0178	0.0178		281.3860	281.3860	5.3900e-003	5.1600e-003	283.0985
NaturalGas Unmitigated	0.0258	0.2345	0.1970	1.4100e-003		0.0178	0.0178		0.0178	0.0178		281.3860	281.3860	5.3900e-003	5.1600e-003	283.0985

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					
Junior College (2Yr)	2391.78	0.0258	0.2345	0.1970	1.4100e-003		0.0178	0.0178		0.0178	0.0178		281.3860	281.3860	5.3900e-003	5.1600e-003	283.0985
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0258**	**0.2345**	**0.1970**	**1.4100e-003**		**0.0178**	**0.0178**		**0.0178**	**0.0178**		**281.3860**	**281.3860**	**5.3900e-003**	**5.1600e-003**	**283.0985**

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					
Junior College (2Yr)	2.39178	0.0258	0.2345	0.1970	1.4100e-003		0.0178	0.0178		0.0178	0.0178		281.3860	281.3860	5.3900e-003	5.1600e-003	283.0985
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0258**	**0.2345**	**0.1970**	**1.4100e-003**		**0.0178**	**0.0178**		**0.0178**	**0.0178**		**281.3860**	**281.3860**	**5.3900e-003**	**5.1600e-003**	**283.0985**

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	3.7404	2.7000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0657	0.0657	1.7000e-004		0.0692
Unmitigated	3.7404	2.7000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0657	0.0657	1.7000e-004		0.0692

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	0.3992					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.3384					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.7900e-003	2.7000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0657	0.0657	1.7000e-004		0.0692
Total	**3.7404**	**2.7000e-004**	**0.0305**	**0.0000**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**		**0.0657**	**0.0657**	**1.7000e-004**		**0.0692**

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	0.3992					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.3384					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.7900e-003	2.7000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0657	0.0657	1.7000e-004		0.0692
Total	**3.7404**	**2.7000e-004**	**0.0305**	**0.0000**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**		**0.0657**	**0.0657**	**1.7000e-004**		**0.0692**

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 Vegetation

College of the Desert, West Valley Campus Phase 5

Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	240.00	Space	2.16	96,000.00	0
Junior College (2Yr)	60.00	1000sqft	2.38	60,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase V development of the COD West Valley Campus, Palm Springs California.

Land Use - Land use assumptions based on project Master Plan. Junior college includes 10,000 SF of campus retail. 1 acre was added to college/retail footprint to account for landscaping.

Construction Phase - Assumes a 14 month buildout for Phase V.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT -

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition -

Grading - Specifics of Phase 5 development grading are currently unknown. The sites cut/fill total was applied to Phase 1 with demo of the PS Mall. To be conservative, it is assumed that 10,000 CY will be imported.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Trip rates the College were not provided for Phase V in the Traffic Report. Therefore, default ITE trip rates for a Junior College were assumed.

Road Dust - All roads are paved.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstructionPhase	NumDays	18.00	20.00
tblConstructionPhase	NumDays	230.00	250.00
tblConstructionPhase	NumDays	8.00	10.00
tblConstructionPhase	NumDays	18.00	20.00
tblConstructionPhase	PhaseEndDate	1/27/2028	1/28/2028
tblConstructionPhase	PhaseStartDate	12/31/2027	1/1/2028
tblGrading	AcresOfGrading	15.00	4.00
tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	LotAcreage	1.38	2.38
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

tblOffRoadEquipment	UsageHours	8.00	6.00
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tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
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tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
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tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
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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
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2030
tblRoadDust	RoadPercentPave	50	100
tblTripsAndVMT	WorkerTripNumber	35.00	28.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	4.4537	38.3330	58.4761	0.1400	7.6046	1.8289	9.4335	3.2321	1.6840	4.9161	0.0000	13,180.3844	13,180.3844	1.6045	0.0000	13,214.0789
2028	44.0239	16.2202	23.9734	0.0385	1.5694	0.7918	1.6305	0.3938	0.7372	0.7993	0.0000	3,577.0052	3,577.0052	0.9589	0.0000	3,597.1424
Total	**48.4776**	**54.5531**	**82.4495**	**0.1784**	**9.1740**	**2.6207**	**11.0640**	**3.6259**	**2.4212**	**5.7154**	**0.0000**	**16,757.3896**	**16,757.3896**	**2.5634**	**0.0000**	**16,811.2213**

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					
2027	4.4537	33.2722	58.4761	0.1400	4.4692	1.8289	6.2981	1.6713	1.6840	3.3553	0.0000	13,180.3844	13,180.3844	1.6045	0.0000	13,214.0789
2028	44.0239	13.1599	23.9734	0.0385	1.5694	0.7918	1.6305	0.3938	0.7372	0.7993	0.0000	3,577.0052	3,577.0052	0.9589	0.0000	3,597.1424
Total	**48.4776**	**46.4321**	**82.4495**	**0.1784**	**6.0387**	**2.6207**	**7.9286**	**2.0651**	**2.4212**	**4.1546**	**0.0000**	**16,757.3895**	**16,757.3895**	**2.5634**	**0.0000**	**16,811.2213**

	ROG	NOx	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**	**14.89**	**0.00**	**0.00**	**34.18**	**0.00**	**28.34**	**43.05**	**0.00**	**27.31**	**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	3.7404	2.7000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0657	0.0657	1.7000e-004		0.0692
Energy	0.0258	0.2345	0.1970	1.4100e-003		0.0178	0.0178		0.0178	0.0178		281.3860	281.3860	5.3900e-003	5.1600e-003	283.0985
Mobile	3.7148	7.5356	43.8353	0.0844	5.7251	0.1640	5.8890	1.5275	0.1512	1.6787		6,143.6042	6,143.6042	0.2326		6,148.4883
Total	**7.4810**	**7.7703**	**44.0627**	**0.0858**	**5.7251**	**0.1819**	**5.9070**	**1.5275**	**0.1691**	**1.6966**		**6,425.0558**	**6,425.0558**	**0.2381**	**5.1600e-003**	**6,431.6559**

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	3.7404	2.7000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0657	0.0657	1.7000e-004		0.0692
Energy	0.0258	0.2345	0.1970	1.4100e-003		0.0178	0.0178		0.0178	0.0178		281.3860	281.3860	5.3900e-003	5.1600e-003	283.0985
Mobile	3.7148	7.5356	43.8353	0.0844	5.7251	0.1640	5.8890	1.5275	0.1512	1.6787		6,143.6042	6,143.6042	0.2326		6,148.4883
Total	**7.4810**	**7.7703**	**44.0627**	**0.0858**	**5.7251**	**0.1819**	**5.9070**	**1.5275**	**0.1691**	**1.6966**		**6,425.0558**	**6,425.0558**	**0.2381**	**5.1600e-003**	**6,431.6559**

	ROG	NOx	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	Grading	Grading	1/1/2027	1/14/2027	5	10	
2	Building Construction	Building Construction	1/15/2027	12/30/2027	5	250	
3	Paving	Paving	1/1/2028	1/28/2028	5	20	
4	Architectural Coating	Architectural Coating	1/29/2028	2/25/2028	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 94,320; Non-Residential Outdoor: 31,440 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40
Demolition	Rubber Tired Loaders	2	6.00	199	0.36
Demolition	Signal Boards	1	6.00	6	0.82

Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42
Grading	Plate Compactors	1	6.00	8	0.43
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45
Paving	Concrete/Industrial Saws	1	6.00	81	0.73
Paving	Graders	1	6.00	174	0.41

Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	1	6.00	6	0.82
Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	13	33.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	66.00	26.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	14	28.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	13.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	13.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	13.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	13.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.1399	0.0000	5.1399	2.5586	0.0000	2.5586			0.0000			0.0000
Off-Road	2.8645	25.5043	29.8390	0.0501		1.2961	1.2961		1.1938	1.1938		4,826.1097	4,826.1097	1.5471		4,858.5980
Total	**2.8645**	**25.5043**	**29.8390**	**0.0501**	**5.1399**	**1.2961**	**6.4360**	**2.5586**	**1.1938**	**3.7524**		**4,826.1097**	**4,826.1097**	**1.5471**		**4,858.5980**

3.2 Grading - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.5179	12.7097	27.6627	0.0869	2.1886	0.5310	2.7195	0.6002	0.4885	1.0887		8,161.5863	8,161.5863	0.0464		8,162.5616
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0714	0.1190	0.9744	3.0100e-003	0.2761	1.8700e-003	0.2780	0.0732	1.7400e-003	0.0750		192.6885	192.6885	0.0110		192.9194
Total	**1.5893**	**12.8287**	**28.6371**	**0.0899**	**2.4647**	**0.5329**	**2.9975**	**0.6734**	**0.4903**	**1.1637**		**8,354.2747**	**8,354.2747**	**0.0574**		**8,355.4810**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0046	0.0000	2.0046	0.9979	0.0000	0.9979			0.0000			0.0000
Off-Road	2.8645	20.4435	29.8390	0.0501		1.2961	1.2961		1.1938	1.1938	0.0000	4,826.1097	4,826.1097	1.5471		4,858.5980
Total	**2.8645**	**20.4435**	**29.8390**	**0.0501**	**2.0046**	**1.2961**	**3.3006**	**0.9979**	**1.1938**	**2.1917**	**0.0000**	**4,826.1097**	**4,826.1097**	**1.5471**		**4,858.5980**

3.2 Grading - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.5179	12.7097	27.6627	0.0869	2.1886	0.5310	2.7195	0.6002	0.4885	1.0887		8,161.5863	8,161.5863	0.0464		8,162.5616
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0714	0.1190	0.9744	3.0100e-003	0.2761	1.8700e-003	0.2780	0.0732	1.7400e-003	0.0750		192.6885	192.6885	0.0110		192.9194
Total	**1.5893**	**12.8287**	**28.6371**	**0.0899**	**2.4647**	**0.5329**	**2.9975**	**0.6734**	**0.4903**	**1.1637**		**8,354.2747**	**8,354.2747**	**0.0574**		**8,355.4810**

3.3 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8570	23.9347	32.7684	0.0562		1.1228	1.1228		1.0541	1.0541		5,337.1184	5,337.1184	1.3132		5,364.6954
Total	**2.8570**	**23.9347**	**32.7684**	**0.0562**		**1.1228**	**1.1228**		**1.0541**	**1.0541**		**5,337.1184**	**5,337.1184**	**1.3132**		**5,364.6954**

3.3 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1433	0.7658	2.7596	4.1700e-003	0.1260	0.0212	0.1472	0.0357	0.0195	0.0552		388.8457	388.8457	2.5600e-003		388.8994
Worker	0.1427	0.2380	1.9488	6.0200e-003	0.5522	3.7400e-003	0.5560	0.1465	3.4700e-003	0.1499		385.3769	385.3769	0.0220		385.8388
Total	**0.2860**	**1.0038**	**4.7083**	**0.0102**	**0.6782**	**0.0249**	**0.7031**	**0.1822**	**0.0230**	**0.2051**		**774.2226**	**774.2226**	**0.0246**		**774.7382**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8570	19.1878	32.7684	0.0562		1.1228	1.1228		1.0541	1.0541	0.0000	5,337.1184	5,337.1184	1.3132		5,364.6954
Total	**2.8570**	**19.1878**	**32.7684**	**0.0562**		**1.1228**	**1.1228**		**1.0541**	**1.0541**	**0.0000**	**5,337.1184**	**5,337.1184**	**1.3132**		**5,364.6954**

3.3 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1433	0.7658	2.7596	4.1700e-003	0.1260	0.0212	0.1472	0.0357	0.0195	0.0552		388.8457	388.8457	2.5600e-003		388.8994
Worker	0.1427	0.2380	1.9488	6.0200e-003	0.5522	3.7400e-003	0.5560	0.1465	3.4700e-003	0.1499		385.3769	385.3769	0.0220		385.8388
Total	**0.2860**	**1.0038**	**4.7083**	**0.0102**	**0.6782**	**0.0249**	**0.7031**	**0.1822**	**0.0230**	**0.2051**		**774.2226**	**774.2226**	**0.0246**		**774.7382**

3.4 Paving - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8282	16.1207	23.1601	0.0359		0.7902	0.7902		0.7357	0.7357		3,414.5460	3,414.5460	0.9497		3,434.4894
Paving	0.2830					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1112**	**16.1207**	**23.1601**	**0.0359**		**0.7902**	**0.7902**		**0.7357**	**0.7357**		**3,414.5460**	**3,414.5460**	**0.9497**		**3,434.4894**

3.4 Paving - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0596	0.0994	0.8133	2.5600e-003	0.2343	1.6000e-003	0.2359	0.0621	1.4900e-003	0.0636		162.4592	162.4592	9.2300e-003		162.6530
Total	**0.0596**	**0.0994**	**0.8133**	**2.5600e-003**	**0.2343**	**1.6000e-003**	**0.2359**	**0.0621**	**1.4900e-003**	**0.0636**		**162.4592**	**162.4592**	**9.2300e-003**		**162.6530**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8282	13.0604	23.1601	0.0359		0.7902	0.7902		0.7357	0.7357	0.0000	3,414.5459	3,414.5459	0.9497		3,434.4894
Paving	0.2830					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1112**	**13.0604**	**23.1601**	**0.0359**		**0.7902**	**0.7902**		**0.7357**	**0.7357**	**0.0000**	**3,414.5459**	**3,414.5459**	**0.9497**		**3,434.4894**

3.4 Paving - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0596	0.0994	0.8133	2.5600e-003	0.2343	1.6000e-003	0.2359	0.0621	1.4900e-003	0.0636		162.4592	162.4592	9.2300e-003		162.6530
Total	**0.0596**	**0.0994**	**0.8133**	**2.5600e-003**	**0.2343**	**1.6000e-003**	**0.2359**	**0.0621**	**1.4900e-003**	**0.0636**		**162.4592**	**162.4592**	**9.2300e-003**		**162.6530**

3.5 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.7173					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1960	1.5296	2.6144	4.2100e-003		0.0581	0.0581		0.0576	0.0576		401.4770	401.4770	0.0542		402.6146
Total	**43.9133**	**1.5296**	**2.6144**	**4.2100e-003**		**0.0581**	**0.0581**		**0.0576**	**0.0576**		**401.4770**	**401.4770**	**0.0542**		**402.6146**

3.5 Architectural Coating - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1106	0.1847	1.5105	4.7500e-003	1.5694	2.9700e-003	1.5724	0.3938	2.7600e-003	0.3966		301.7100	301.7100	0.0171		302.0699
Total	**0.1106**	**0.1847**	**1.5105**	**4.7500e-003**	**1.5694**	**2.9700e-003**	**1.5724**	**0.3938**	**2.7600e-003**	**0.3966**		**301.7100**	**301.7100**	**0.0171**		**302.0699**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	43.7173					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1960	1.2237	2.6144	4.2100e-003		0.0581	0.0581		0.0576	0.0576	0.0000	401.4770	401.4770	0.0542		402.6146
Total	**43.9133**	**1.2237**	**2.6144**	**4.2100e-003**		**0.0581**	**0.0581**		**0.0576**	**0.0576**	**0.0000**	**401.4770**	**401.4770**	**0.0542**		**402.6146**

3.5 Architectural Coating - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1106	0.1847	1.5105	4.7500e-003	1.5694	2.9700e-003	1.5724	0.3938	2.7600e-003	0.3966		301.7100	301.7100	0.0171		302.0699
Total	**0.1106**	**0.1847**	**1.5105**	**4.7500e-003**	**1.5694**	**2.9700e-003**	**1.5724**	**0.3938**	**2.7600e-003**	**0.3966**		**301.7100**	**301.7100**	**0.0171**		**302.0699**

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	3.7148	7.5356	43.8353	0.0844	5.7251	0.1640	5.8890	1.5275	0.1512	1.6787		6,143.6042	6,143.6042	0.2326		6,148.4883
Unmitigated	3.7148	7.5356	43.8353	0.0844	5.7251	0.1640	5.8890	1.5275	0.1512	1.6787		6,143.6042	6,143.6042	0.2326		6,148.4883

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	1,649.40	673.80	72.60	2,101,065	2,101,065
Parking Lot	0.00	0.00	0.00		
Total	1,649.40	673.80	72.60	2,101,065	2,101,065

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
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1
Parking Lot	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.469614	0.066142	0.173873	0.163382	0.035024	0.005630	0.009899	0.067518	0.001256	0.001244	0.003209	0.000474	0.002734

5.0 Energy Detail

4.4 Fleet Mix

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	0.0258	0.2345	0.1970	1.4100e-003		0.0178	0.0178		0.0178	0.0178		281.3860	281.3860	5.3900e-003	5.1600e-003	283.0985
NaturalGas Unmitigated	0.0258	0.2345	0.1970	1.4100e-003		0.0178	0.0178		0.0178	0.0178		281.3860	281.3860	5.3900e-003	5.1600e-003	283.0985

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					
Junior College (2Yr)	2391.78	0.0258	0.2345	0.1970	1.4100e-003		0.0178	0.0178		0.0178	0.0178		281.3860	281.3860	5.3900e-003	5.1600e-003	283.0985
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0258**	**0.2345**	**0.1970**	**1.4100e-003**		**0.0178**	**0.0178**		**0.0178**	**0.0178**		**281.3860**	**281.3860**	**5.3900e-003**	**5.1600e-003**	**283.0985**

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					
Junior College (2Yr)	2.39178	0.0258	0.2345	0.1970	1.4100e-003		0.0178	0.0178		0.0178	0.0178		281.3860	281.3860	5.3900e-003	5.1600e-003	283.0985
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0258**	**0.2345**	**0.1970**	**1.4100e-003**		**0.0178**	**0.0178**		**0.0178**	**0.0178**		**281.3860**	**281.3860**	**5.3900e-003**	**5.1600e-003**	**283.0985**

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	3.7404	2.7000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0657	0.0657	1.7000e-004		0.0692
Unmitigated	3.7404	2.7000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0657	0.0657	1.7000e-004		0.0692

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	0.3992					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.3384					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.7900e-003	2.7000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0657	0.0657	1.7000e-004		0.0692
Total	**3.7404**	**2.7000e-004**	**0.0305**	**0.0000**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**		**0.0657**	**0.0657**	**1.7000e-004**		**0.0692**

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	0.3992					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.3384					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.7900e-003	2.7000e-004	0.0305	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0657	0.0657	1.7000e-004		0.0692
Total	**3.7404**	**2.7000e-004**	**0.0305**	**0.0000**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**		**0.0657**	**0.0657**	**1.7000e-004**		**0.0692**

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 Vegetation

NO PROJECT ALTERNATIVE:

PALM SPRINGS MALL, 6% OCCUPANCY

College of the Desert

West Valley Campus

Air Emission Outputs

CalEEMod Version 2013.2.2

Palm Springs Mall 6% Occupancy

Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	20.08	1000sqft	0.46	20,080.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Assumes 6% occupancy of PS Mall (Kaplan College).

Land Use -

Construction Phase - Construction phases are uneccessary. Only operational emissions will be analyzed.

Vehicle Trips - Operational trip rates were adjusted per project Traffic Report.

Road Dust - All roads are paved in the area.

Energy Use -

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	OperationalYear	2014	2017
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	WD_TR	27.49	19.40

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					
2016	0.3178	0.8061	0.5389	7.5000e-004	4.4886	0.0546	4.5432	0.4487	0.0505	0.4992	0.0000	69.3294	69.3294	0.0186	0.0000	69.7188
Total	**0.3178**	**0.8061**	**0.5389**	**7.5000e-004**	**4.4886**	**0.0546**	**4.5432**	**0.4487**	**0.0505**	**0.4992**	**0.0000**	**69.3294**	**69.3294**	**0.0186**	**0.0000**	**69.7188**

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					
2016	0.3178	0.8061	0.5389	7.5000e-004	3.8700e-003	0.0546	0.0585	1.2600e-003	0.0505	0.0517	0.0000	69.3293	69.3293	0.0186	0.0000	69.7187
Total	**0.3178**	**0.8061**	**0.5389**	**7.5000e-004**	**3.8700e-003**	**0.0546**	**0.0585**	**1.2600e-003**	**0.0505**	**0.0517**	**0.0000**	**69.3293**	**69.3293**	**0.0186**	**0.0000**	**69.7187**

	ROG	NOx	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**	**99.91**	**0.00**	**98.71**	**99.72**	**0.00**	**89.64**	**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	tons/yr										MT/yr					
Area	0.1017	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.8000e-004
Energy	1.5800e-003	0.0143	0.0120	9.0000e-005		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	66.5026	66.5026	2.6400e-003	7.7000e-004	66.7967
Mobile	0.2126	0.5105	2.1482	3.0800e-003	0.1964	7.0500e-003	0.2034	0.0525	6.4800e-003	0.0590	0.0000	237.5458	237.5458	9.9800e-003	0.0000	237.7553
Waste						0.0000	0.0000		0.0000	0.0000	5.2981	0.0000	5.2981	0.3131	0.0000	11.8733
Water						0.0000	0.0000		0.0000	0.0000	0.3125	8.5676	8.8801	0.0325	8.4000e-004	9.8225
Total	**0.3159**	**0.5248**	**2.1604**	**3.1700e-003**	**0.1964**	**8.1400e-003**	**0.2045**	**0.0525**	**7.5700e-003**	**0.0601**	**5.6105**	**312.6164**	**318.2269**	**0.3582**	**1.6100e-003**	**326.2482**

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	0.1017	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.8000e-004
Energy	1.5800e-003	0.0143	0.0120	9.0000e-005		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	66.5026	66.5026	2.6400e-003	7.7000e-004	66.7967
Mobile	0.2126	0.5105	2.1482	3.0800e-003	0.1964	7.0500e-003	0.2034	0.0525	6.4800e-003	0.0590	0.0000	237.5458	237.5458	9.9800e-003	0.0000	237.7553
Waste						0.0000	0.0000		0.0000	0.0000	5.2981	0.0000	5.2981	0.3131	0.0000	11.8733
Water						0.0000	0.0000		0.0000	0.0000	0.3125	8.5676	8.8801	0.0325	8.4000e-004	9.8220
Total	**0.3159**	**0.5248**	**2.1604**	**3.1700e-003**	**0.1964**	**8.1400e-003**	**0.2045**	**0.0525**	**7.5700e-003**	**0.0601**	**5.6105**	**312.6164**	**318.2269**	**0.3582**	**1.6100e-003**	**326.2477**

	ROG	NOx	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	1/1/2016	1/14/2016	5	10	
2	Site Preparation	Site Preparation	1/15/2016	1/15/2016	5	1	
3	Grading	Grading	1/16/2016	1/19/2016	5	2	
4	Building Construction	Building Construction	1/20/2016	6/7/2016	5	100	
5	Paving	Paving	6/8/2016	6/14/2016	5	5	
6	Architectural Coating	Architectural Coating	6/15/2016	6/21/2016	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 30,120; Non-Residential Outdoor: 10,040 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	8.00	3.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.5600e-003	0.0562	0.0435	6.0000e-005		4.0200e-003	4.0200e-003		3.8400e-003	3.8400e-003	0.0000	5.4141	5.4141	1.0800e-003	0.0000	5.4369
Total	**6.5600e-003**	**0.0562**	**0.0435**	**6.0000e-005**		**4.0200e-003**	**4.0200e-003**		**3.8400e-003**	**3.8400e-003**	**0.0000**	**5.4141**	**5.4141**	**1.0800e-003**	**0.0000**	**5.4369**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	3.0000e-004	2.8600e-003	0.0000	0.3828	0.0000	0.3828	0.0382	0.0000	0.0382	0.0000	0.3529	0.3529	2.0000e-005	0.0000	0.3534
Total	**2.1000e-004**	**3.0000e-004**	**2.8600e-003**	**0.0000**	**0.3828**	**0.0000**	**0.3828**	**0.0382**	**0.0000**	**0.0382**	**0.0000**	**0.3529**	**0.3529**	**2.0000e-005**	**0.0000**	**0.3534**

3.2 Demolition - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.5600e-003	0.0562	0.0435	6.0000e-005		4.0200e-003	4.0200e-003		3.8400e-003	3.8400e-003	0.0000	5.4141	5.4141	1.0800e-003	0.0000	5.4369
Total	**6.5600e-003**	**0.0562**	**0.0435**	**6.0000e-005**		**4.0200e-003**	**4.0200e-003**		**3.8400e-003**	**3.8400e-003**	**0.0000**	**5.4141**	**5.4141**	**1.0800e-003**	**0.0000**	**5.4369**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	3.0000e-004	2.8600e-003	0.0000	2.3000e-004	0.0000	2.4000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.3529	0.3529	2.0000e-005	0.0000	0.3534
Total	**2.1000e-004**	**3.0000e-004**	**2.8600e-003**	**0.0000**	**2.3000e-004**	**0.0000**	**2.4000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.3529**	**0.3529**	**2.0000e-005**	**0.0000**	**0.3534**

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8000e-004	6.8200e-003	3.6700e-003	0.0000		4.2000e-004	4.2000e-004		3.8000e-004	3.8000e-004	0.0000	0.4414	0.4414	1.3000e-004	0.0000	0.4442
Total	**6.8000e-004**	**6.8200e-003**	**3.6700e-003**	**0.0000**	**2.7000e-004**	**4.2000e-004**	**6.9000e-004**	**3.0000e-005**	**3.8000e-004**	**4.1000e-004**	**0.0000**	**0.4414**	**0.4414**	**1.3000e-004**	**0.0000**	**0.4442**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.4000e-004	0.0000	0.0191	0.0000	0.0191	1.9100e-003	0.0000	1.9100e-003	0.0000	0.0177	0.0177	0.0000	0.0000	0.0177
Total	**1.0000e-005**	**1.0000e-005**	**1.4000e-004**	**0.0000**	**0.0191**	**0.0000**	**0.0191**	**1.9100e-003**	**0.0000**	**1.9100e-003**	**0.0000**	**0.0177**	**0.0177**	**0.0000**	**0.0000**	**0.0177**

3.3 Site Preparation - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8000e-004	6.8200e-003	3.6700e-003	0.0000		4.2000e-004	4.2000e-004		3.8000e-004	3.8000e-004	0.0000	0.4414	0.4414	1.3000e-004	0.0000	0.4442
Total	**6.8000e-004**	**6.8200e-003**	**3.6700e-003**	**0.0000**	**2.7000e-004**	**4.2000e-004**	**6.9000e-004**	**3.0000e-005**	**3.8000e-004**	**4.1000e-004**	**0.0000**	**0.4414**	**0.4414**	**1.3000e-004**	**0.0000**	**0.4442**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.4000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0177	0.0177	0.0000	0.0000	0.0177
Total	**1.0000e-005**	**1.0000e-005**	**1.4000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0177**	**0.0177**	**0.0000**	**0.0000**	**0.0177**

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3100e-003	0.0112	8.7000e-003	1.0000e-005		8.0000e-004	8.0000e-004		7.7000e-004	7.7000e-004	0.0000	1.0828	1.0828	2.2000e-004	0.0000	1.0874
Total	**1.3100e-003**	**0.0112**	**8.7000e-003**	**1.0000e-005**	**7.5000e-004**	**8.0000e-004**	**1.5500e-003**	**4.1000e-004**	**7.7000e-004**	**1.1800e-003**	**0.0000**	**1.0828**	**1.0828**	**2.2000e-004**	**0.0000**	**1.0874**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	6.0000e-005	5.7000e-004	0.0000	0.0766	0.0000	0.0766	7.6500e-003	0.0000	7.6500e-003	0.0000	0.0706	0.0706	0.0000	0.0000	0.0707
Total	**4.0000e-005**	**6.0000e-005**	**5.7000e-004**	**0.0000**	**0.0766**	**0.0000**	**0.0766**	**7.6500e-003**	**0.0000**	**7.6500e-003**	**0.0000**	**0.0706**	**0.0706**	**0.0000**	**0.0000**	**0.0707**

3.4 Grading - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3100e-003	0.0112	8.7000e-003	1.0000e-005		8.0000e-004	8.0000e-004		7.7000e-004	7.7000e-004	0.0000	1.0828	1.0828	2.2000e-004	0.0000	1.0874
Total	**1.3100e-003**	**0.0112**	**8.7000e-003**	**1.0000e-005**	**7.5000e-004**	**8.0000e-004**	**1.5500e-003**	**4.1000e-004**	**7.7000e-004**	**1.1800e-003**	**0.0000**	**1.0828**	**1.0828**	**2.2000e-004**	**0.0000**	**1.0874**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	6.0000e-005	5.7000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0706	0.0706	0.0000	0.0000	0.0707
Total	**4.0000e-005**	**6.0000e-005**	**5.7000e-004**	**0.0000**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0706**	**0.0706**	**0.0000**	**0.0000**	**0.0707**

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0691	0.6853	0.4106	5.7000e-004		0.0470	0.0470		0.0432	0.0432	0.0000	53.4584	53.4584	0.0161	0.0000	53.7970
Total	**0.0691**	**0.6853**	**0.4106**	**5.7000e-004**		**0.0470**	**0.0470**		**0.0432**	**0.0432**	**0.0000**	**53.4584**	**53.4584**	**0.0161**	**0.0000**	**53.7970**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.5700e-003	0.0109	0.0201	2.0000e-005	0.5639	2.2000e-004	0.5641	0.0564	2.0000e-004	0.0566	0.0000	2.2195	2.2195	2.0000e-005	0.0000	2.2198
Worker	1.7000e-003	2.3900e-003	0.0229	4.0000e-005	3.0624	2.0000e-005	3.0624	0.3059	2.0000e-005	0.3059	0.0000	2.8233	2.8233	1.8000e-004	0.0000	2.8270
Total	**3.2700e-003**	**0.0133**	**0.0430**	**6.0000e-005**	**3.6263**	**2.4000e-004**	**3.6265**	**0.3623**	**2.2000e-004**	**0.3625**	**0.0000**	**5.0428**	**5.0428**	**2.0000e-004**	**0.0000**	**5.0468**

3.5 Building Construction - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0691	0.6853	0.4106	5.7000e-004		0.0470	0.0470		0.0432	0.0432	0.0000	53.4583	53.4583	0.0161	0.0000	53.7969
Total	**0.0691**	**0.6853**	**0.4106**	**5.7000e-004**		**0.0470**	**0.0470**		**0.0432**	**0.0432**	**0.0000**	**53.4583**	**53.4583**	**0.0161**	**0.0000**	**53.7969**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.5700e-003	0.0109	0.0201	2.0000e-005	4.6000e-004	2.2000e-004	6.8000e-004	1.4000e-004	2.0000e-004	3.4000e-004	0.0000	2.2195	2.2195	2.0000e-005	0.0000	2.2198
Worker	1.7000e-003	2.3900e-003	0.0229	4.0000e-005	1.8700e-003	2.0000e-005	1.8900e-003	5.3000e-004	2.0000e-005	5.5000e-004	0.0000	2.8233	2.8233	1.8000e-004	0.0000	2.8270
Total	**3.2700e-003**	**0.0133**	**0.0430**	**6.0000e-005**	**2.3300e-003**	**2.4000e-004**	**2.5700e-003**	**6.7000e-004**	**2.2000e-004**	**8.9000e-004**	**0.0000**	**5.0428**	**5.0428**	**2.0000e-004**	**0.0000**	**5.0468**

3.6 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8000e-003	0.0266	0.0182	3.0000e-005		1.6500e-003	1.6500e-003		1.5300e-003	1.5300e-003	0.0000	2.4575	2.4575	6.7000e-004	0.0000	2.4717
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.8000e-003**	**0.0266**	**0.0182**	**3.0000e-005**		**1.6500e-003**	**1.6500e-003**		**1.5300e-003**	**1.5300e-003**	**0.0000**	**2.4575**	**2.4575**	**6.7000e-004**	**0.0000**	**2.4717**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	2.7000e-004	2.5800e-003	0.0000	0.3445	0.0000	0.3445	0.0344	0.0000	0.0344	0.0000	0.3176	0.3176	2.0000e-005	0.0000	0.3180
Total	**1.9000e-004**	**2.7000e-004**	**2.5800e-003**	**0.0000**	**0.3445**	**0.0000**	**0.3445**	**0.0344**	**0.0000**	**0.0344**	**0.0000**	**0.3176**	**0.3176**	**2.0000e-005**	**0.0000**	**0.3180**

3.6 Paving - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8000e-003	0.0266	0.0182	3.0000e-005		1.6500e-003	1.6500e-003		1.5300e-003	1.5300e-003	0.0000	2.4575	2.4575	6.7000e-004	0.0000	2.4717
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.8000e-003**	**0.0266**	**0.0182**	**3.0000e-005**		**1.6500e-003**	**1.6500e-003**		**1.5300e-003**	**1.5300e-003**	**0.0000**	**2.4575**	**2.4575**	**6.7000e-004**	**0.0000**	**2.4717**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	2.7000e-004	2.5800e-003	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.3176	0.3176	2.0000e-005	0.0000	0.3180
Total	**1.9000e-004**	**2.7000e-004**	**2.5800e-003**	**0.0000**	**2.1000e-004**	**0.0000**	**2.1000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.3176**	**0.3176**	**2.0000e-005**	**0.0000**	**0.3180**

3.7 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2327					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2000e-004	5.9300e-003	4.7100e-003	1.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	0.6383	0.6383	8.0000e-005	0.0000	0.6399
Total	**0.2336**	**5.9300e-003**	**4.7100e-003**	**1.0000e-005**		**4.9000e-004**	**4.9000e-004**		**4.9000e-004**	**4.9000e-004**	**0.0000**	**0.6383**	**0.6383**	**8.0000e-005**	**0.0000**	**0.6399**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	3.0000e-005	2.9000e-004	0.0000	0.0383	0.0000	0.0383	3.8200e-003	0.0000	3.8200e-003	0.0000	0.0353	0.0353	0.0000	0.0000	0.0353
Total	**2.0000e-005**	**3.0000e-005**	**2.9000e-004**	**0.0000**	**0.0383**	**0.0000**	**0.0383**	**3.8200e-003**	**0.0000**	**3.8200e-003**	**0.0000**	**0.0353**	**0.0353**	**0.0000**	**0.0000**	**0.0353**

3.7 Architectural Coating - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2327					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2000e-004	5.9300e-003	4.7100e-003	1.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	0.6383	0.6383	8.0000e-005	0.0000	0.6399
Total	**0.2336**	**5.9300e-003**	**4.7100e-003**	**1.0000e-005**		**4.9000e-004**	**4.9000e-004**		**4.9000e-004**	**4.9000e-004**	**0.0000**	**0.6383**	**0.6383**	**8.0000e-005**	**0.0000**	**0.6399**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	3.0000e-005	2.9000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0353	0.0353	0.0000	0.0000	0.0353
Total	**2.0000e-005**	**3.0000e-005**	**2.9000e-004**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0353**	**0.0353**	**0.0000**	**0.0000**	**0.0353**

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	0.2126	0.5105	2.1482	3.0800e-003	0.1964	7.0500e-003	0.2034	0.0525	6.4800e-003	0.0590	0.0000	237.5458	237.5458	9.9800e-003	0.0000	237.7553
Unmitigated	0.2126	0.5105	2.1482	3.0800e-003	0.1964	7.0500e-003	0.2034	0.0525	6.4800e-003	0.0590	0.0000	237.5458	237.5458	9.9800e-003	0.0000	237.7553

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	389.55	225.50	24.30	513,399	513,399
Total	389.55	225.50	24.30	513,399	513,399

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
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.470717	0.065221	0.166715	0.155930	0.039151	0.006404	0.011984	0.074576	0.001439	0.001217	0.003741	0.000553	0.002352

4.4 Fleet Mix

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	50.9116	50.9116	2.3400e-003	4.8000e-004	51.1109
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	50.9116	50.9116	2.3400e-003	4.8000e-004	51.1109
NaturalGas Mitigated	1.5800e-003	0.0143	0.0120	9.0000e-005		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	15.5910	15.5910	3.0000e-004	2.9000e-004	15.6859
NaturalGas Unmitigated	1.5800e-003	0.0143	0.0120	9.0000e-005		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	15.5910	15.5910	3.0000e-004	2.9000e-004	15.6859

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					
Junior College (2Yr)	292164	1.5800e-003	0.0143	0.0120	9.0000e-005		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	15.5910	15.5910	3.0000e-004	2.9000e-004	15.6859
Total		**1.5800e-003**	**0.0143**	**0.0120**	**9.0000e-005**		**1.0900e-003**	**1.0900e-003**		**1.0900e-003**	**1.0900e-003**	**0.0000**	**15.5910**	**15.5910**	**3.0000e-004**	**2.9000e-004**	**15.6859**

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					
Junior College (2Yr)	292164	1.5800e-003	0.0143	0.0120	9.0000e-005		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	15.5910	15.5910	3.0000e-004	2.9000e-004	15.6859
Total		**1.5800e-003**	**0.0143**	**0.0120**	**9.0000e-005**		**1.0900e-003**	**1.0900e-003**		**1.0900e-003**	**1.0900e-003**	**0.0000**	**15.5910**	**15.5910**	**3.0000e-004**	**2.9000e-004**	**15.6859**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	177909	50.9116	2.3400e-003	4.8000e-004	51.1109
Total		**50.9116**	**2.3400e-003**	**4.8000e-004**	**51.1109**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	177909	50.9116	2.3400e-003	4.8000e-004	51.1109
Total		**50.9116**	**2.3400e-003**	**4.8000e-004**	**51.1109**

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	0.1017	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.8000e-004
Unmitigated	0.1017	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.8000e-004

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	0.0233					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0784					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.8000e-004
Total	**0.1017**	**0.0000**	**1.9000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**3.6000e-004**	**3.6000e-004**	**0.0000**	**0.0000**	**3.8000e-004**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0233					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0784					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.6000e-004	3.6000e-004	0.0000	0.0000	3.8000e-004
Total	**0.1017**	**0.0000**	**1.9000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**3.6000e-004**	**3.6000e-004**	**0.0000**	**0.0000**	**3.8000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	8.8801	0.0325	8.4000e-004	9.8220
Unmitigated	8.8801	0.0325	8.4000e-004	9.8225

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	0.984905 / 1.54049	8.8801	0.0325	8.4000e-004	9.8225
Total		**8.8801**	**0.0325**	**8.4000e-004**	**9.8225**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	0.984905 / 1.54049	8.8801	0.0325	8.4000e-004	9.8220
Total		**8.8801**	**0.0325**	**8.4000e-004**	**9.8220**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	5.2981	0.3131	0.0000	11.8733
Unmitigated	5.2981	0.3131	0.0000	11.8733

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	26.1	5.2981	0.3131	0.0000	11.8733
Total		**5.2981**	**0.3131**	**0.0000**	**11.8733**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	26.1	5.2981	0.3131	0.0000	11.8733
Total		**5.2981**	**0.3131**	**0.0000**	**11.8733**

9.0 Operational Offroad

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

10.0 Vegetation

Palm Springs Mall 6% Occupancy

Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	20.08	1000sqft	0.46	20,080.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Assumes 6% occupancy of PS Mall (Kaplan College).

Land Use -

Construction Phase - Construction phases are uneccessary. Only operational emissions will be analyzed.

Vehicle Trips - Operational trip rates were adjusted per project Traffic Report.

Road Dust - All roads are paved in the area.

Energy Use -

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	OperationalYear	2014	2017
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	WD_TR	27.49	19.40

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					
2016	93.4498	13.9588	9.3463	0.0130	145.7922	0.9446	146.4538	14.5625	0.8691	15.1747	0.0000	1,291.1350	1,291.1350	0.3597	0.0000	1,298.6885
Total	**93.4498**	**13.9588**	**9.3463**	**0.0130**	**145.7922**	**0.9446**	**146.4538**	**14.5625**	**0.8691**	**15.1747**	**0.0000**	**1,291.1350**	**1,291.1350**	**0.3597**	**0.0000**	**1,298.6885**

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					
2016	93.4498	13.9588	9.3463	0.0130	0.8001	0.9446	1.6045	0.4271	0.8691	1.1949	0.0000	1,291.1350	1,291.1350	0.3597	0.0000	1,298.6885
Total	**93.4498**	**13.9588**	**9.3463**	**0.0130**	**0.8001**	**0.9446**	**1.6045**	**0.4271**	**0.8691**	**1.1949**	**0.0000**	**1,291.1350**	**1,291.1350**	**0.3597**	**0.0000**	**1,298.6885**

	ROG	NOx	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**	**99.45**	**0.00**	**98.90**	**97.07**	**0.00**	**92.13**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5574	2.0000e-005	2.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3900e-003	4.3900e-003	1.0000e-005		4.6500e-003
Energy	8.6300e-003	0.0785	0.0659	4.7000e-004		5.9600e-003	5.9600e-003		5.9600e-003	5.9600e-003		94.1705	94.1705	1.8000e-003	1.7300e-003	94.7436
Mobile	1.7014	3.3062	15.1901	0.0213	1.3547	0.0479	1.4026	0.3617	0.0441	0.4058		1,810.9735	1,810.9735	0.0750		1,812.5477
Total	**2.2674**	**3.3847**	**15.2581**	**0.0218**	**1.3547**	**0.0539**	**1.4086**	**0.3617**	**0.0501**	**0.4118**		**1,905.1484**	**1,905.1484**	**0.0768**	**1.7300e-003**	**1,907.2959**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5574	2.0000e-005	2.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3900e-003	4.3900e-003	1.0000e-005		4.6500e-003
Energy	8.6300e-003	0.0785	0.0659	4.7000e-004		5.9600e-003	5.9600e-003		5.9600e-003	5.9600e-003		94.1705	94.1705	1.8000e-003	1.7300e-003	94.7436
Mobile	1.7014	3.3062	15.1901	0.0213	1.3547	0.0479	1.4026	0.3617	0.0441	0.4058		1,810.9735	1,810.9735	0.0750		1,812.5477
Total	**2.2674**	**3.3847**	**15.2581**	**0.0218**	**1.3547**	**0.0539**	**1.4086**	**0.3617**	**0.0501**	**0.4118**		**1,905.1484**	**1,905.1484**	**0.0768**	**1.7300e-003**	**1,907.2959**

	ROG	NOx	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	1/1/2016	1/14/2016	5	10	
2	Site Preparation	Site Preparation	1/15/2016	1/15/2016	5	1	
3	Grading	Grading	1/16/2016	1/19/2016	5	2	
4	Building Construction	Building Construction	1/20/2016	6/7/2016	5	100	
5	Paving	Paving	6/8/2016	6/14/2016	5	5	
6	Architectural Coating	Architectural Coating	6/15/2016	6/21/2016	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 30,120; Non-Residential Outdoor: 10,040 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	8.00	3.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217
Total	**1.3122**	**11.2385**	**8.7048**	**0.0120**		**0.8039**	**0.8039**		**0.7674**	**0.7674**		**1,193.6106**	**1,193.6106**	**0.2386**		**1,198.6217**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0525	0.0558	0.6416	9.8000e-004	80.9957	5.5000e-004	80.9962	8.0903	5.0000e-004	8.0908		79.2747	79.2747	4.8300e-003		79.3762
Total	**0.0525**	**0.0558**	**0.6416**	**9.8000e-004**	**80.9957**	**5.5000e-004**	**80.9962**	**8.0903**	**5.0000e-004**	**8.0908**		**79.2747**	**79.2747**	**4.8300e-003**		**79.3762**

3.2 Demolition - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217
Total	**1.3122**	**11.2385**	**8.7048**	**0.0120**		**0.8039**	**0.8039**		**0.7674**	**0.7674**	**0.0000**	**1,193.6106**	**1,193.6106**	**0.2386**		**1,198.6217**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0525	0.0558	0.6416	9.8000e-004	0.0473	5.5000e-004	0.0479	0.0133	5.0000e-004	0.0138		79.2747	79.2747	4.8300e-003		79.3762
Total	**0.0525**	**0.0558**	**0.6416**	**9.8000e-004**	**0.0473**	**5.5000e-004**	**0.0479**	**0.0133**	**5.0000e-004**	**0.0138**		**79.2747**	**79.2747**	**4.8300e-003**		**79.3762**

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.3593	13.6350	7.3401	9.3500e-003		0.8338	0.8338		0.7671	0.7671		973.0842	973.0842	0.2935		979.2481
Total	**1.3593**	**13.6350**	**7.3401**	**9.3500e-003**	**0.5303**	**0.8338**	**1.3640**	**0.0573**	**0.7671**	**0.8243**		**973.0842**	**973.0842**	**0.2935**		**979.2481**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0263	0.0279	0.3208	4.9000e-004	40.4978	2.7000e-004	40.4981	4.0451	2.5000e-004	4.0454		39.6373	39.6373	2.4200e-003		39.6881
Total	**0.0263**	**0.0279**	**0.3208**	**4.9000e-004**	**40.4978**	**2.7000e-004**	**40.4981**	**4.0451**	**2.5000e-004**	**4.0454**		**39.6373**	**39.6373**	**2.4200e-003**		**39.6881**

3.3 Site Preparation - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.3593	13.6350	7.3401	9.3500e-003		0.8338	0.8338		0.7671	0.7671	0.0000	973.0842	973.0842	0.2935		979.2481
Total	**1.3593**	**13.6350**	**7.3401**	**9.3500e-003**	**0.5303**	**0.8338**	**1.3640**	**0.0573**	**0.7671**	**0.8243**	**0.0000**	**973.0842**	**973.0842**	**0.2935**		**979.2481**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0263	0.0279	0.3208	4.9000e-004	0.0237	2.7000e-004	0.0239	6.6300e-003	2.5000e-004	6.8900e-003		39.6373	39.6373	2.4200e-003		39.6881
Total	**0.0263**	**0.0279**	**0.3208**	**4.9000e-004**	**0.0237**	**2.7000e-004**	**0.0239**	**6.6300e-003**	**2.5000e-004**	**6.8900e-003**		**39.6373**	**39.6373**	**2.4200e-003**		**39.6881**

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217
Total	**1.3122**	**11.2385**	**8.7048**	**0.0120**	**0.7528**	**0.8039**	**1.5566**	**0.4138**	**0.7674**	**1.1811**		**1,193.6106**	**1,193.6106**	**0.2386**		**1,198.6217**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0525	0.0558	0.6416	9.8000e-004	80.9957	5.5000e-004	80.9962	8.0903	5.0000e-004	8.0908		79.2747	79.2747	4.8300e-003		79.3762
Total	**0.0525**	**0.0558**	**0.6416**	**9.8000e-004**	**80.9957**	**5.5000e-004**	**80.9962**	**8.0903**	**5.0000e-004**	**8.0908**		**79.2747**	**79.2747**	**4.8300e-003**		**79.3762**

3.4 Grading - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217
Total	**1.3122**	**11.2385**	**8.7048**	**0.0120**	**0.7528**	**0.8039**	**1.5566**	**0.4138**	**0.7674**	**1.1811**	**0.0000**	**1,193.6106**	**1,193.6106**	**0.2386**		**1,198.6217**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0525	0.0558	0.6416	9.8000e-004	0.0473	5.5000e-004	0.0479	0.0133	5.0000e-004	0.0138		79.2747	79.2747	4.8300e-003		79.3762
Total	**0.0525**	**0.0558**	**0.6416**	**9.8000e-004**	**0.0473**	**5.5000e-004**	**0.0479**	**0.0133**	**5.0000e-004**	**0.0138**		**79.2747**	**79.2747**	**4.8300e-003**		**79.3762**

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646		1,178.5549	1,178.5549	0.3555		1,186.0202
Total	**1.3816**	**13.7058**	**8.2122**	**0.0113**		**0.9398**	**0.9398**		**0.8646**	**0.8646**		**1,178.5549**	**1,178.5549**	**0.3555**		**1,186.0202**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0311	0.2083	0.3805	4.9000e-004	11.9307	4.3900e-003	11.9351	1.1923	4.0400e-003	1.1964		49.1604	49.1604	3.3000e-004		49.1673
Worker	0.0420	0.0447	0.5133	7.8000e-004	64.7965	4.4000e-004	64.7970	6.4722	4.0000e-004	6.4726		63.4197	63.4197	3.8700e-003		63.5009
Total	**0.0731**	**0.2530**	**0.8937**	**1.2700e-003**	**76.7272**	**4.8300e-003**	**76.7321**	**7.6646**	**4.4400e-003**	**7.6690**		**112.5802**	**112.5802**	**4.2000e-003**		**112.6683**

3.5 Building Construction - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646	0.0000	1,178.5549	1,178.5549	0.3555		1,186.0202
Total	**1.3816**	**13.7058**	**8.2122**	**0.0113**		**0.9398**	**0.9398**		**0.8646**	**0.8646**	**0.0000**	**1,178.5549**	**1,178.5549**	**0.3555**		**1,186.0202**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0311	0.2083	0.3805	4.9000e-004	9.2200e-003	4.3900e-003	0.0136	2.8200e-003	4.0400e-003	6.8600e-003		49.1604	49.1604	3.3000e-004		49.1673
Worker	0.0420	0.0447	0.5133	7.8000e-004	0.0379	4.4000e-004	0.0383	0.0106	4.0000e-004	0.0110		63.4197	63.4197	3.8700e-003		63.5009
Total	**0.0731**	**0.2530**	**0.8937**	**1.2700e-003**	**0.0471**	**4.8300e-003**	**0.0519**	**0.0134**	**4.4400e-003**	**0.0179**		**112.5802**	**112.5802**	**4.2000e-003**		**112.6683**

3.6 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113		1,083.5832	1,083.5832	0.2969		1,089.8175
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1203**	**10.6282**	**7.2935**	**0.0111**		**0.6606**	**0.6606**		**0.6113**	**0.6113**		**1,083.5832**	**1,083.5832**	**0.2969**		**1,089.8175**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0946	0.1005	1.1548	1.7600e-003	145.7922	9.9000e-004	145.7932	14.5625	9.0000e-004	14.5634		142.6944	142.6944	8.7000e-003		142.8771
Total	**0.0946**	**0.1005**	**1.1548**	**1.7600e-003**	**145.7922**	**9.9000e-004**	**145.7932**	**14.5625**	**9.0000e-004**	**14.5634**		**142.6944**	**142.6944**	**8.7000e-003**		**142.8771**

3.6 Paving - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113	0.0000	1,083.5832	1,083.5832	0.2969		1,089.8175
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1203**	**10.6282**	**7.2935**	**0.0111**		**0.6606**	**0.6606**		**0.6113**	**0.6113**	**0.0000**	**1,083.5832**	**1,083.5832**	**0.2969**		**1,089.8175**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0946	0.1005	1.1548	1.7600e-003	0.0852	9.9000e-004	0.0861	0.0239	9.0000e-004	0.0248		142.6944	142.6944	8.7000e-003		142.8771
Total	**0.0946**	**0.1005**	**1.1548**	**1.7600e-003**	**0.0852**	**9.9000e-004**	**0.0861**	**0.0239**	**9.0000e-004**	**0.0248**		**142.6944**	**142.6944**	**8.7000e-003**		**142.8771**

3.7 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	93.0708					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
Total	**93.4393**	**2.3722**	**1.8839**	**2.9700e-003**		**0.1966**	**0.1966**		**0.1966**	**0.1966**		**281.4481**	**281.4481**	**0.0332**		**282.1449**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0105	0.0112	0.1283	2.0000e-004	16.1991	1.1000e-004	16.1992	1.6181	1.0000e-004	1.6182		15.8549	15.8549	9.7000e-004		15.8752
Total	**0.0105**	**0.0112**	**0.1283**	**2.0000e-004**	**16.1991**	**1.1000e-004**	**16.1992**	**1.6181**	**1.0000e-004**	**1.6182**		**15.8549**	**15.8549**	**9.7000e-004**		**15.8752**

3.7 Architectural Coating - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	93.0708					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449
Total	**93.4393**	**2.3722**	**1.8839**	**2.9700e-003**		**0.1966**	**0.1966**		**0.1966**	**0.1966**	**0.0000**	**281.4481**	**281.4481**	**0.0332**		**282.1449**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0105	0.0112	0.1283	2.0000e-004	9.4600e-003	1.1000e-004	9.5700e-003	2.6500e-003	1.0000e-004	2.7500e-003		15.8549	15.8549	9.7000e-004		15.8752
Total	**0.0105**	**0.0112**	**0.1283**	**2.0000e-004**	**9.4600e-003**	**1.1000e-004**	**9.5700e-003**	**2.6500e-003**	**1.0000e-004**	**2.7500e-003**		**15.8549**	**15.8549**	**9.7000e-004**		**15.8752**

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	1.7014	3.3062	15.1901	0.0213	1.3547	0.0479	1.4026	0.3617	0.0441	0.4058		1,810.9735	1,810.9735	0.0750		1,812.5477
Unmitigated	1.7014	3.3062	15.1901	0.0213	1.3547	0.0479	1.4026	0.3617	0.0441	0.4058		1,810.9735	1,810.9735	0.0750		1,812.5477

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	389.55	225.50	24.30	513,399	513,399
Total	389.55	225.50	24.30	513,399	513,399

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
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1

4.4 Fleet Mix

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.470717	0.065221	0.166715	0.155930	0.039151	0.006404	0.011984	0.074576	0.001439	0.001217	0.003741	0.000553	0.002352

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	8.6300e-003	0.0785	0.0659	4.7000e-004		5.9600e-003	5.9600e-003		5.9600e-003	5.9600e-003		94.1705	94.1705	1.8000e-003	1.7300e-003	94.7436
NaturalGas Unmitigated	8.6300e-003	0.0785	0.0659	4.7000e-004		5.9600e-003	5.9600e-003		5.9600e-003	5.9600e-003		94.1705	94.1705	1.8000e-003	1.7300e-003	94.7436

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					
Junior College (2Yr)	800.449	8.6300e-003	0.0785	0.0659	4.7000e-004		5.9600e-003	5.9600e-003		5.9600e-003	5.9600e-003		94.1705	94.1705	1.8000e-003	1.7300e-003	94.7436
Total		**8.6300e-003**	**0.0785**	**0.0659**	**4.7000e-004**		**5.9600e-003**	**5.9600e-003**		**5.9600e-003**	**5.9600e-003**		**94.1705**	**94.1705**	**1.8000e-003**	**1.7300e-003**	**94.7436**

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					
Junior College (2Yr)	0.800449	8.6300e-003	0.0785	0.0659	4.7000e-004		5.9600e-003	5.9600e-003		5.9600e-003	5.9600e-003		94.1705	94.1705	1.8000e-003	1.7300e-003	94.7436
Total		**8.6300e-003**	**0.0785**	**0.0659**	**4.7000e-004**		**5.9600e-003**	**5.9600e-003**		**5.9600e-003**	**5.9600e-003**		**94.1705**	**94.1705**	**1.8000e-003**	**1.7300e-003**	**94.7436**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5574	2.0000e-005	2.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3900e-003	4.3900e-003	1.0000e-005		4.6500e-003
Unmitigated	0.5574	2.0000e-005	2.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3900e-003	4.3900e-003	1.0000e-005		4.6500e-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	lb/day										lb/day					
Architectural Coating	0.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4297					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-004	2.0000e-005	2.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3900e-003	4.3900e-003	1.0000e-005		4.6500e-003
Total	**0.5574**	**2.0000e-005**	**2.0900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**4.3900e-003**	**4.3900e-003**	**1.0000e-005**		**4.6500e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4297					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-004	2.0000e-005	2.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3900e-003	4.3900e-003	1.0000e-005		4.6500e-003
Total	**0.5574**	**2.0000e-005**	**2.0900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**4.3900e-003**	**4.3900e-003**	**1.0000e-005**		**4.6500e-003**

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 Vegetation

Palm Springs Mall 6% Occupancy

Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	20.08	1000sqft	0.46	20,080.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Assumes 6% occupancy of PS Mall (Kaplan College).

Land Use -

Construction Phase - Construction phases are uneccessary. Only operational emissions will be analyzed.

Vehicle Trips - Operational trip rates were adjusted per project Traffic Report.

Road Dust - All roads are paved in the area.

Energy Use -

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	OperationalYear	2014	2017
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	WD_TR	27.49	19.40

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					
2016	93.4471	13.9763	9.2350	0.0129	145.7922	0.9447	146.4538	14.5625	0.8691	15.1747	0.0000	1,285.9958	1,285.9958	0.3597	0.0000	1,293.5496
Total	**93.4471**	**13.9763**	**9.2350**	**0.0129**	**145.7922**	**0.9447**	**146.4538**	**14.5625**	**0.8691**	**15.1747**	**0.0000**	**1,285.9958**	**1,285.9958**	**0.3597**	**0.0000**	**1,293.5496**

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					
2016	93.4471	13.9763	9.2350	0.0129	0.8001	0.9447	1.6045	0.4271	0.8691	1.1949	0.0000	1,285.9958	1,285.9958	0.3597	0.0000	1,293.5496
Total	**93.4471**	**13.9763**	**9.2350**	**0.0129**	**0.8001**	**0.9447**	**1.6045**	**0.4271**	**0.8691**	**1.1949**	**0.0000**	**1,285.9958**	**1,285.9958**	**0.3597**	**0.0000**	**1,293.5496**

	ROG	NOx	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**	**99.45**	**0.00**	**98.90**	**97.07**	**0.00**	**92.13**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5574	2.0000e-005	2.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3900e-003	4.3900e-003	1.0000e-005		4.6500e-003
Energy	8.6300e-003	0.0785	0.0659	4.7000e-004		5.9600e-003	5.9600e-003		5.9600e-003	5.9600e-003		94.1705	94.1705	1.8000e-003	1.7300e-003	94.7436
Mobile	1.4208	3.5526	15.5945	0.0202	1.3547	0.0483	1.4030	0.3617	0.0444	0.4062		1,722.9580	1,722.9580	0.0752		1,724.5370
Total	**1.9868**	**3.6311**	**15.6625**	**0.0207**	**1.3547**	**0.0543**	**1.4090**	**0.3617**	**0.0504**	**0.4121**		**1,817.1329**	**1,817.1329**	**0.0770**	**1.7300e-003**	**1,819.2853**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5574	2.0000e-005	2.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3900e-003	4.3900e-003	1.0000e-005		4.6500e-003
Energy	8.6300e-003	0.0785	0.0659	4.7000e-004		5.9600e-003	5.9600e-003		5.9600e-003	5.9600e-003		94.1705	94.1705	1.8000e-003	1.7300e-003	94.7436
Mobile	1.4208	3.5526	15.5945	0.0202	1.3547	0.0483	1.4030	0.3617	0.0444	0.4062		1,722.9580	1,722.9580	0.0752		1,724.5370
Total	**1.9868**	**3.6311**	**15.6625**	**0.0207**	**1.3547**	**0.0543**	**1.4090**	**0.3617**	**0.0504**	**0.4121**		**1,817.1329**	**1,817.1329**	**0.0770**	**1.7300e-003**	**1,819.2853**

	ROG	NOx	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	1/1/2016	1/14/2016	5	10	
2	Site Preparation	Site Preparation	1/15/2016	1/15/2016	5	1	
3	Grading	Grading	1/16/2016	1/19/2016	5	2	
4	Building Construction	Building Construction	1/20/2016	6/7/2016	5	100	
5	Paving	Paving	6/8/2016	6/14/2016	5	5	
6	Architectural Coating	Architectural Coating	6/15/2016	6/21/2016	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 30,120; Non-Residential Outdoor: 10,040 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	8.00	3.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217
Total	**1.3122**	**11.2385**	**8.7048**	**0.0120**		**0.8039**	**0.8039**		**0.7674**	**0.7674**		**1,193.6106**	**1,193.6106**	**0.2386**		**1,198.6217**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0394	0.0620	0.5303	9.0000e-004	80.9957	5.5000e-004	80.9962	8.0903	5.0000e-004	8.0908		73.5325	73.5325	4.8300e-003		73.6341
Total	**0.0394**	**0.0620**	**0.5303**	**9.0000e-004**	**80.9957**	**5.5000e-004**	**80.9962**	**8.0903**	**5.0000e-004**	**8.0908**		**73.5325**	**73.5325**	**4.8300e-003**		**73.6341**

3.2 Demolition - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217
Total	**1.3122**	**11.2385**	**8.7048**	**0.0120**		**0.8039**	**0.8039**		**0.7674**	**0.7674**	**0.0000**	**1,193.6106**	**1,193.6106**	**0.2386**		**1,198.6217**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0394	0.0620	0.5303	9.0000e-004	0.0473	5.5000e-004	0.0479	0.0133	5.0000e-004	0.0138		73.5325	73.5325	4.8300e-003		73.6341
Total	**0.0394**	**0.0620**	**0.5303**	**9.0000e-004**	**0.0473**	**5.5000e-004**	**0.0479**	**0.0133**	**5.0000e-004**	**0.0138**		**73.5325**	**73.5325**	**4.8300e-003**		**73.6341**

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.3593	13.6350	7.3401	9.3500e-003		0.8338	0.8338		0.7671	0.7671		973.0842	973.0842	0.2935		979.2481
Total	**1.3593**	**13.6350**	**7.3401**	**9.3500e-003**	**0.5303**	**0.8338**	**1.3640**	**0.0573**	**0.7671**	**0.8243**		**973.0842**	**973.0842**	**0.2935**		**979.2481**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0197	0.0310	0.2651	4.5000e-004	40.4978	2.7000e-004	40.4981	4.0451	2.5000e-004	4.0454		36.7663	36.7663	2.4200e-003		36.8170
Total	**0.0197**	**0.0310**	**0.2651**	**4.5000e-004**	**40.4978**	**2.7000e-004**	**40.4981**	**4.0451**	**2.5000e-004**	**4.0454**		**36.7663**	**36.7663**	**2.4200e-003**		**36.8170**

3.3 Site Preparation - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.3593	13.6350	7.3401	9.3500e-003		0.8338	0.8338		0.7671	0.7671	0.0000	973.0842	973.0842	0.2935		979.2481
Total	**1.3593**	**13.6350**	**7.3401**	**9.3500e-003**	**0.5303**	**0.8338**	**1.3640**	**0.0573**	**0.7671**	**0.8243**	**0.0000**	**973.0842**	**973.0842**	**0.2935**		**979.2481**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0197	0.0310	0.2651	4.5000e-004	0.0237	2.7000e-004	0.0239	6.6300e-003	2.5000e-004	6.8900e-003		36.7663	36.7663	2.4200e-003		36.8170
Total	**0.0197**	**0.0310**	**0.2651**	**4.5000e-004**	**0.0237**	**2.7000e-004**	**0.0239**	**6.6300e-003**	**2.5000e-004**	**6.8900e-003**		**36.7663**	**36.7663**	**2.4200e-003**		**36.8170**

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674		1,193.6106	1,193.6106	0.2386		1,198.6217
Total	**1.3122**	**11.2385**	**8.7048**	**0.0120**	**0.7528**	**0.8039**	**1.5566**	**0.4138**	**0.7674**	**1.1811**		**1,193.6106**	**1,193.6106**	**0.2386**		**1,198.6217**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0394	0.0620	0.5303	9.0000e-004	80.9957	5.5000e-004	80.9962	8.0903	5.0000e-004	8.0908		73.5325	73.5325	4.8300e-003		73.6341
Total	**0.0394**	**0.0620**	**0.5303**	**9.0000e-004**	**80.9957**	**5.5000e-004**	**80.9962**	**8.0903**	**5.0000e-004**	**8.0908**		**73.5325**	**73.5325**	**4.8300e-003**		**73.6341**

3.4 Grading - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	1.3122	11.2385	8.7048	0.0120		0.8039	0.8039		0.7674	0.7674	0.0000	1,193.6106	1,193.6106	0.2386		1,198.6217
Total	**1.3122**	**11.2385**	**8.7048**	**0.0120**	**0.7528**	**0.8039**	**1.5566**	**0.4138**	**0.7674**	**1.1811**	**0.0000**	**1,193.6106**	**1,193.6106**	**0.2386**		**1,198.6217**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0394	0.0620	0.5303	9.0000e-004	0.0473	5.5000e-004	0.0479	0.0133	5.0000e-004	0.0138		73.5325	73.5325	4.8300e-003		73.6341
Total	**0.0394**	**0.0620**	**0.5303**	**9.0000e-004**	**0.0473**	**5.5000e-004**	**0.0479**	**0.0133**	**5.0000e-004**	**0.0138**		**73.5325**	**73.5325**	**4.8300e-003**		**73.6341**

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646		1,178.5549	1,178.5549	0.3555		1,186.0202
Total	**1.3816**	**13.7058**	**8.2122**	**0.0113**		**0.9398**	**0.9398**		**0.8646**	**0.8646**		**1,178.5549**	**1,178.5549**	**0.3555**		**1,186.0202**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0345	0.2208	0.4706	4.9000e-004	11.9307	4.4600e-003	11.9352	1.1923	4.1000e-003	1.1964		48.6149	48.6149	3.4000e-004		48.6221
Worker	0.0315	0.0496	0.4242	7.2000e-004	64.7965	4.4000e-004	64.7970	6.4722	4.0000e-004	6.4726		58.8260	58.8260	3.8700e-003		58.9073
Total	**0.0660**	**0.2704**	**0.8949**	**1.2100e-003**	**76.7272**	**4.9000e-003**	**76.7321**	**7.6646**	**4.5000e-003**	**7.6691**		**107.4410**	**107.4410**	**4.2100e-003**		**107.5294**

3.5 Building Construction - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646	0.0000	1,178.5549	1,178.5549	0.3555		1,186.0202
Total	**1.3816**	**13.7058**	**8.2122**	**0.0113**		**0.9398**	**0.9398**		**0.8646**	**0.8646**	**0.0000**	**1,178.5549**	**1,178.5549**	**0.3555**		**1,186.0202**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0345	0.2208	0.4706	4.9000e-004	9.2200e-003	4.4600e-003	0.0137	2.8200e-003	4.1000e-003	6.9100e-003		48.6149	48.6149	3.4000e-004		48.6221
Worker	0.0315	0.0496	0.4242	7.2000e-004	0.0379	4.4000e-004	0.0383	0.0106	4.0000e-004	0.0110		58.8260	58.8260	3.8700e-003		58.9073
Total	**0.0660**	**0.2704**	**0.8949**	**1.2100e-003**	**0.0471**	**4.9000e-003**	**0.0520**	**0.0134**	**4.5000e-003**	**0.0179**		**107.4410**	**107.4410**	**4.2100e-003**		**107.5294**

3.6 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113		1,083.5832	1,083.5832	0.2969		1,089.8175
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1203**	**10.6282**	**7.2935**	**0.0111**		**0.6606**	**0.6606**		**0.6113**	**0.6113**		**1,083.5832**	**1,083.5832**	**0.2969**		**1,089.8175**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0709	0.1116	0.9545	1.6300e-003	145.7922	9.9000e-004	145.7932	14.5625	9.0000e-004	14.5634		132.3586	132.3586	8.7000e-003		132.5413
Total	**0.0709**	**0.1116**	**0.9545**	**1.6300e-003**	**145.7922**	**9.9000e-004**	**145.7932**	**14.5625**	**9.0000e-004**	**14.5634**		**132.3586**	**132.3586**	**8.7000e-003**		**132.5413**

3.6 Paving - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1203	10.6282	7.2935	0.0111		0.6606	0.6606		0.6113	0.6113	0.0000	1,083.5832	1,083.5832	0.2969		1,089.8175
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1203**	**10.6282**	**7.2935**	**0.0111**		**0.6606**	**0.6606**		**0.6113**	**0.6113**	**0.0000**	**1,083.5832**	**1,083.5832**	**0.2969**		**1,089.8175**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0709	0.1116	0.9545	1.6300e-003	0.0852	9.9000e-004	0.0861	0.0239	9.0000e-004	0.0248		132.3586	132.3586	8.7000e-003		132.5413
Total	**0.0709**	**0.1116**	**0.9545**	**1.6300e-003**	**0.0852**	**9.9000e-004**	**0.0861**	**0.0239**	**9.0000e-004**	**0.0248**		**132.3586**	**132.3586**	**8.7000e-003**		**132.5413**

3.7 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	93.0708					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
Total	**93.4393**	**2.3722**	**1.8839**	**2.9700e-003**		**0.1966**	**0.1966**		**0.1966**	**0.1966**		**281.4481**	**281.4481**	**0.0332**		**282.1449**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.8800e-003	0.0124	0.1061	1.8000e-004	16.1991	1.1000e-004	16.1992	1.6181	1.0000e-004	1.6182		14.7065	14.7065	9.7000e-004		14.7268
Total	**7.8800e-003**	**0.0124**	**0.1061**	**1.8000e-004**	**16.1991**	**1.1000e-004**	**16.1992**	**1.6181**	**1.0000e-004**	**1.6182**		**14.7065**	**14.7065**	**9.7000e-004**		**14.7268**

3.7 Architectural Coating - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	93.0708					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449
Total	**93.4393**	**2.3722**	**1.8839**	**2.9700e-003**		**0.1966**	**0.1966**		**0.1966**	**0.1966**	**0.0000**	**281.4481**	**281.4481**	**0.0332**		**282.1449**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.8800e-003	0.0124	0.1061	1.8000e-004	9.4600e-003	1.1000e-004	9.5700e-003	2.6500e-003	1.0000e-004	2.7500e-003		14.7065	14.7065	9.7000e-004		14.7268
Total	**7.8800e-003**	**0.0124**	**0.1061**	**1.8000e-004**	**9.4600e-003**	**1.1000e-004**	**9.5700e-003**	**2.6500e-003**	**1.0000e-004**	**2.7500e-003**		**14.7065**	**14.7065**	**9.7000e-004**		**14.7268**

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	1.4208	3.5526	15.5945	0.0202	1.3547	0.0483	1.4030	0.3617	0.0444	0.4062		1,722.9580	1,722.9580	0.0752		1,724.5370
Unmitigated	1.4208	3.5526	15.5945	0.0202	1.3547	0.0483	1.4030	0.3617	0.0444	0.4062		1,722.9580	1,722.9580	0.0752		1,724.5370

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	389.55	225.50	24.30	513,399	513,399
Total	389.55	225.50	24.30	513,399	513,399

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
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1

4.4 Fleet Mix

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.470717	0.065221	0.166715	0.155930	0.039151	0.006404	0.011984	0.074576	0.001439	0.001217	0.003741	0.000553	0.002352

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	8.6300e-003	0.0785	0.0659	4.7000e-004		5.9600e-003	5.9600e-003		5.9600e-003	5.9600e-003		94.1705	94.1705	1.8000e-003	1.7300e-003	94.7436
NaturalGas Unmitigated	8.6300e-003	0.0785	0.0659	4.7000e-004		5.9600e-003	5.9600e-003		5.9600e-003	5.9600e-003		94.1705	94.1705	1.8000e-003	1.7300e-003	94.7436

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					
Junior College (2Yr)	800.449	8.6300e-003	0.0785	0.0659	4.7000e-004		5.9600e-003	5.9600e-003		5.9600e-003	5.9600e-003		94.1705	94.1705	1.8000e-003	1.7300e-003	94.7436
Total		**8.6300e-003**	**0.0785**	**0.0659**	**4.7000e-004**		**5.9600e-003**	**5.9600e-003**		**5.9600e-003**	**5.9600e-003**		**94.1705**	**94.1705**	**1.8000e-003**	**1.7300e-003**	**94.7436**

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					
Junior College (2Yr)	0.800449	8.6300e-003	0.0785	0.0659	4.7000e-004		5.9600e-003	5.9600e-003		5.9600e-003	5.9600e-003		94.1705	94.1705	1.8000e-003	1.7300e-003	94.7436
Total		**8.6300e-003**	**0.0785**	**0.0659**	**4.7000e-004**		**5.9600e-003**	**5.9600e-003**		**5.9600e-003**	**5.9600e-003**		**94.1705**	**94.1705**	**1.8000e-003**	**1.7300e-003**	**94.7436**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5574	2.0000e-005	2.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3900e-003	4.3900e-003	1.0000e-005		4.6500e-003
Unmitigated	0.5574	2.0000e-005	2.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3900e-003	4.3900e-003	1.0000e-005		4.6500e-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	lb/day										lb/day					
Architectural Coating	0.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4297					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-004	2.0000e-005	2.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3900e-003	4.3900e-003	1.0000e-005		4.6500e-003
Total	**0.5574**	**2.0000e-005**	**2.0900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**4.3900e-003**	**4.3900e-003**	**1.0000e-005**		**4.6500e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1275					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4297					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-004	2.0000e-005	2.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.3900e-003	4.3900e-003	1.0000e-005		4.6500e-003
Total	**0.5574**	**2.0000e-005**	**2.0900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**4.3900e-003**	**4.3900e-003**	**1.0000e-005**		**4.6500e-003**

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 Vegetation

NO PROJECT ALTERNATIVE:

PALM SPRINGS MALL, FULL OCCUPANCY

College of the Desert

West Valley Campus

Air Emission Outputs

CalEEMod Version 2013.2.2

Palm Springs Mall Full Occupancy

Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Regional Shopping Center	315.12	1000sqft	7.23	315,120.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2015
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Assumes full occupancy of PS Mall including Kaplan College.

Land Use - Assumes 315,120 SF is for regional shopping (mall). Based on Traffic Report for accurate trip generations.

Construction Phase - Construction phases are not necessary, only the operational emissions will be analyzed.

Road Dust - All roads are paved in the surrounding area.

Energy Use -

Off-road Equipment -

Grading -

Demolition -

Trips and VMT -

On-road Fugitive Dust -

Architectural Coating -

Vehicle Trips - Operational trip rate was adjusted to reflect traffic report.

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	OperationalYear	2014	2015
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	WD_TR	42.94	36.87

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					
2016	0.5677	4.4544	4.0830	5.7000e-003	113.4544	0.2730	113.7274	11.4021	0.2556	11.6576	0.0000	498.2441	498.2441	0.0892	0.0000	500.1177
2017	3.6742	0.2165	0.1763	2.7000e-004	2.6222	0.0126	2.6347	0.2619	0.0117	0.2736	0.0000	24.5306	24.5306	6.4300e-003	0.0000	24.6657
Total	**4.2419**	**4.6709**	**4.2593**	**5.9700e-003**	**116.0765**	**0.2856**	**116.3621**	**11.6640**	**0.2673**	**11.9313**	**0.0000**	**522.7748**	**522.7748**	**0.0957**	**0.0000**	**524.7834**

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					
2016	0.5677	4.4544	4.0830	5.7000e-003	113.4544	0.2730	113.7274	11.4021	0.2556	11.6576	0.0000	498.2438	498.2438	0.0892	0.0000	500.1173
2017	3.6742	0.2165	0.1763	2.7000e-004	2.6222	0.0126	2.6347	0.2619	0.0117	0.2736	0.0000	24.5306	24.5306	6.4300e-003	0.0000	24.6657
Total	**4.2419**	**4.6709**	**4.2593**	**5.9700e-003**	**116.0765**	**0.2856**	**116.3621**	**11.6640**	**0.2673**	**11.9313**	**0.0000**	**522.7743**	**522.7743**	**0.0957**	**0.0000**	**524.7830**

	ROG	NOx	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	tons/yr										MT/yr					
Area	1.5961	3.0000e-005	3.0000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.6300e-003	5.6300e-003	2.0000e-005	0.0000	5.9700e-003
Energy	3.9400e-003	0.0358	0.0301	2.2000e-004		2.7200e-003	2.7200e-003		2.7200e-003	2.7200e-003	0.0000	1,451.1836	1,451.1836	0.0657	0.0142	1,456.9475
Mobile	9.2590	19.9896	86.7142	0.0942	5.9183	0.2715	6.1898	1.5817	0.2493	1.8310	0.0000	7,681.3066	7,681.3066	0.3664	0.0000	7,689.0000
Waste						0.0000	0.0000		0.0000	0.0000	67.1657	0.0000	67.1657	3.9694	0.0000	150.5226
Water						0.0000	0.0000		0.0000	0.0000	7.4053	132.4595	139.8647	0.7667	0.0192	161.9229
Total	**10.8591**	**20.0254**	**86.7473**	**0.0944**	**5.9183**	**0.2742**	**6.1925**	**1.5817**	**0.2520**	**1.8338**	**74.5709**	**9,264.9552**	**9,339.5261**	**5.1681**	**0.0334**	**9,458.3989**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.5961	3.0000e-005	3.0000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.6300e-003	5.6300e-003	2.0000e-005	0.0000	5.9700e-003
Energy	3.9400e-003	0.0358	0.0301	2.2000e-004		2.7200e-003	2.7200e-003		2.7200e-003	2.7200e-003	0.0000	1,451.1836	1,451.1836	0.0657	0.0142	1,456.9475
Mobile	9.2590	19.9896	86.7142	0.0942	5.9183	0.2715	6.1898	1.5817	0.2493	1.8310	0.0000	7,681.3066	7,681.3066	0.3664	0.0000	7,689.0000
Waste						0.0000	0.0000		0.0000	0.0000	67.1657	0.0000	67.1657	3.9694	0.0000	150.5226
Water						0.0000	0.0000		0.0000	0.0000	7.4053	132.4595	139.8647	0.7665	0.0192	161.9110
Total	**10.8591**	**20.0254**	**86.7473**	**0.0944**	**5.9183**	**0.2742**	**6.1925**	**1.5817**	**0.2520**	**1.8338**	**74.5709**	**9,264.9552**	**9,339.5261**	**5.1680**	**0.0333**	**9,458.3870**

	ROG	NOx	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**	**0.09**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2016	1/14/2016	5	10	
2	Grading	Grading	1/15/2016	2/11/2016	5	20	
3	Building Construction	Building Construction	2/12/2016	12/29/2016	5	230	
4	Paving	Paving	12/30/2016	1/26/2017	5	20	
5	Architectural Coating	Architectural Coating	1/27/2017	2/23/2017	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 472,680; Non-Residential Outdoor: 157,560 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	101.00	52.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	20.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Clean Paved Roads

3.2 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0254	0.2732	0.2055	2.0000e-004		0.0147	0.0147		0.0135	0.0135	0.0000	18.4386	18.4386	5.5600e-003	0.0000	18.5554
Total	**0.0254**	**0.2732**	**0.2055**	**2.0000e-004**	**0.0903**	**0.0147**	**0.1050**	**0.0497**	**0.0135**	**0.0632**	**0.0000**	**18.4386**	**18.4386**	**5.5600e-003**	**0.0000**	**18.5554**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	5.4000e-004	5.1500e-003	1.0000e-005	0.6890	0.0000	0.6890	0.0688	0.0000	0.0688	0.0000	0.6352	0.6352	4.0000e-005	0.0000	0.6361
Total	**3.8000e-004**	**5.4000e-004**	**5.1500e-003**	**1.0000e-005**	**0.6890**	**0.0000**	**0.6890**	**0.0688**	**0.0000**	**0.0688**	**0.0000**	**0.6352**	**0.6352**	**4.0000e-005**	**0.0000**	**0.6361**

3.2 Site Preparation - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0254	0.2732	0.2055	2.0000e-004		0.0147	0.0147		0.0135	0.0135	0.0000	18.4385	18.4385	5.5600e-003	0.0000	18.5553
Total	**0.0254**	**0.2732**	**0.2055**	**2.0000e-004**	**0.0903**	**0.0147**	**0.1050**	**0.0497**	**0.0135**	**0.0632**	**0.0000**	**18.4385**	**18.4385**	**5.5600e-003**	**0.0000**	**18.5553**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	5.4000e-004	5.1500e-003	1.0000e-005	0.6890	0.0000	0.6890	0.0688	0.0000	0.0688	0.0000	0.6352	0.6352	4.0000e-005	0.0000	0.6361
Total	**3.8000e-004**	**5.4000e-004**	**5.1500e-003**	**1.0000e-005**	**0.6890**	**0.0000**	**0.6890**	**0.0688**	**0.0000**	**0.0688**	**0.0000**	**0.6352**	**0.6352**	**4.0000e-005**	**0.0000**	**0.6361**

3.3 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0367	0.3845	0.2608	3.0000e-004		0.0220	0.0220		0.0202	0.0202	0.0000	28.0664	28.0664	8.4700e-003	0.0000	28.2442
Total	**0.0367**	**0.3845**	**0.2608**	**3.0000e-004**	**0.0655**	**0.0220**	**0.0875**	**0.0337**	**0.0202**	**0.0539**	**0.0000**	**28.0664**	**28.0664**	**8.4700e-003**	**0.0000**	**28.2442**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4000e-004	9.0000e-004	8.5800e-003	1.0000e-005	1.1484	1.0000e-005	1.1484	0.1147	1.0000e-005	0.1147	0.0000	1.0587	1.0587	7.0000e-005	0.0000	1.0601
Total	**6.4000e-004**	**9.0000e-004**	**8.5800e-003**	**1.0000e-005**	**1.1484**	**1.0000e-005**	**1.1484**	**0.1147**	**1.0000e-005**	**0.1147**	**0.0000**	**1.0587**	**1.0587**	**7.0000e-005**	**0.0000**	**1.0601**

3.3 Grading - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0367	0.3845	0.2608	3.0000e-004		0.0220	0.0220		0.0202	0.0202	0.0000	28.0664	28.0664	8.4700e-003	0.0000	28.2441
Total	**0.0367**	**0.3845**	**0.2608**	**3.0000e-004**	**0.0655**	**0.0220**	**0.0875**	**0.0337**	**0.0202**	**0.0539**	**0.0000**	**28.0664**	**28.0664**	**8.4700e-003**	**0.0000**	**28.2441**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4000e-004	9.0000e-004	8.5800e-003	1.0000e-005	1.1484	1.0000e-005	1.1484	0.1147	1.0000e-005	0.1147	0.0000	1.0587	1.0587	7.0000e-005	0.0000	1.0601
Total	**6.4000e-004**	**9.0000e-004**	**8.5800e-003**	**1.0000e-005**	**1.1484**	**1.0000e-005**	**1.1484**	**0.1147**	**1.0000e-005**	**0.1147**	**0.0000**	**1.0587**	**1.0587**	**7.0000e-005**	**0.0000**	**1.0601**

3.4 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3917	3.2782	2.1283	3.0800e-003		0.2263	0.2263		0.2126	0.2126	0.0000	278.4766	278.4766	0.0691	0.0000	279.9270
Total	**0.3917**	**3.2782**	**2.1283**	**3.0800e-003**		**0.2263**	**0.2263**		**0.2126**	**0.2126**	**0.0000**	**278.4766**	**278.4766**	**0.0691**	**0.0000**	**279.9270**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0625	0.4363	0.8021	9.8000e-004	22.4796	8.8100e-003	22.4884	2.2468	8.1000e-003	2.2549	0.0000	88.4836	88.4836	6.0000e-004	0.0000	88.4962
Worker	0.0494	0.0695	0.6648	1.1100e-003	88.9240	6.4000e-004	88.9247	8.8827	5.8000e-004	8.8833	0.0000	81.9814	81.9814	5.0900e-003	0.0000	82.0884
Total	**0.1118**	**0.5058**	**1.4668**	**2.0900e-003**	**111.4036**	**9.4500e-003**	**111.4131**	**11.1295**	**8.6800e-003**	**11.1381**	**0.0000**	**170.4650**	**170.4650**	**5.6900e-003**	**0.0000**	**170.5846**

3.4 Building Construction - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3917	3.2782	2.1283	3.0800e-003		0.2263	0.2263		0.2126	0.2126	0.0000	278.4763	278.4763	0.0691	0.0000	279.9267
Total	**0.3917**	**3.2782**	**2.1283**	**3.0800e-003**		**0.2263**	**0.2263**		**0.2126**	**0.2126**	**0.0000**	**278.4763**	**278.4763**	**0.0691**	**0.0000**	**279.9267**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0625	0.4363	0.8021	9.8000e-004	22.4796	8.8100e-003	22.4884	2.2468	8.1000e-003	2.2549	0.0000	88.4836	88.4836	6.0000e-004	0.0000	88.4962
Worker	0.0494	0.0695	0.6648	1.1100e-003	88.9240	6.4000e-004	88.9247	8.8827	5.8000e-004	8.8833	0.0000	81.9814	81.9814	5.0900e-003	0.0000	82.0884
Total	**0.1118**	**0.5058**	**1.4668**	**2.0900e-003**	**111.4036**	**9.4500e-003**	**111.4131**	**11.1295**	**8.6800e-003**	**11.1381**	**0.0000**	**170.4650**	**170.4650**	**5.6900e-003**	**0.0000**	**170.5846**

3.5 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0400e-003	0.0112	7.4100e-003	1.0000e-005		6.3000e-004	6.3000e-004		5.8000e-004	5.8000e-004	0.0000	1.0507	1.0507	3.2000e-004	0.0000	1.0574
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.0400e-003**	**0.0112**	**7.4100e-003**	**1.0000e-005**		**6.3000e-004**	**6.3000e-004**		**5.8000e-004**	**5.8000e-004**	**0.0000**	**1.0507**	**1.0507**	**3.2000e-004**	**0.0000**	**1.0574**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	4.0000e-005	4.3000e-004	0.0000	0.0574	0.0000	0.0574	5.7400e-003	0.0000	5.7400e-003	0.0000	0.0529	0.0529	0.0000	0.0000	0.0530
Total	**3.0000e-005**	**4.0000e-005**	**4.3000e-004**	**0.0000**	**0.0574**	**0.0000**	**0.0574**	**5.7400e-003**	**0.0000**	**5.7400e-003**	**0.0000**	**0.0529**	**0.0529**	**0.0000**	**0.0000**	**0.0530**

3.5 Paving - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0400e-003	0.0112	7.4100e-003	1.0000e-005		6.3000e-004	6.3000e-004		5.8000e-004	5.8000e-004	0.0000	1.0507	1.0507	3.2000e-004	0.0000	1.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.0400e-003**	**0.0112**	**7.4100e-003**	**1.0000e-005**		**6.3000e-004**	**6.3000e-004**		**5.8000e-004**	**5.8000e-004**	**0.0000**	**1.0507**	**1.0507**	**3.2000e-004**	**0.0000**	**1.0573**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	4.0000e-005	4.3000e-004	0.0000	0.0574	0.0000	0.0574	5.7400e-003	0.0000	5.7400e-003	0.0000	0.0529	0.0529	0.0000	0.0000	0.0530
Total	**3.0000e-005**	**4.0000e-005**	**4.3000e-004**	**0.0000**	**0.0574**	**0.0000**	**0.0574**	**5.7400e-003**	**0.0000**	**5.7400e-003**	**0.0000**	**0.0529**	**0.0529**	**0.0000**	**0.0000**	**0.0530**

3.5 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0181	0.1928	0.1399	2.1000e-004		0.0108	0.0108		9.9500e-003	9.9500e-003	0.0000	19.6588	19.6588	6.0200e-003	0.0000	19.7852
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0181**	**0.1928**	**0.1399**	**2.1000e-004**		**0.0108**	**0.0108**		**9.9500e-003**	**9.9500e-003**	**0.0000**	**19.6588**	**19.6588**	**6.0200e-003**	**0.0000**	**19.7852**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	7.8000e-004	7.3700e-003	1.0000e-005	1.0910	1.0000e-005	1.0910	0.1090	1.0000e-005	0.1090	0.0000	0.9647	0.9647	6.0000e-005	0.0000	0.9659
Total	**5.4000e-004**	**7.8000e-004**	**7.3700e-003**	**1.0000e-005**	**1.0910**	**1.0000e-005**	**1.0910**	**0.1090**	**1.0000e-005**	**0.1090**	**0.0000**	**0.9647**	**0.9647**	**6.0000e-005**	**0.0000**	**0.9659**

3.5 Paving - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0181	0.1928	0.1399	2.1000e-004		0.0108	0.0108		9.9500e-003	9.9500e-003	0.0000	19.6587	19.6587	6.0200e-003	0.0000	19.7852
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0181**	**0.1928**	**0.1399**	**2.1000e-004**		**0.0108**	**0.0108**		**9.9500e-003**	**9.9500e-003**	**0.0000**	**19.6587**	**19.6587**	**6.0200e-003**	**0.0000**	**19.7852**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	7.8000e-004	7.3700e-003	1.0000e-005	1.0910	1.0000e-005	1.0910	0.1090	1.0000e-005	0.1090	0.0000	0.9647	0.9647	6.0000e-005	0.0000	0.9659
Total	**5.4000e-004**	**7.8000e-004**	**7.3700e-003**	**1.0000e-005**	**1.0910**	**1.0000e-005**	**1.0910**	**0.1090**	**1.0000e-005**	**0.1090**	**0.0000**	**0.9647**	**0.9647**	**6.0000e-005**	**0.0000**	**0.9659**

3.6 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.6515					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3200e-003	0.0219	0.0187	3.0000e-005		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	2.5533	2.5533	2.7000e-004	0.0000	2.5589
Total	**3.6548**	**0.0219**	**0.0187**	**3.0000e-005**		**1.7300e-003**	**1.7300e-003**		**1.7300e-003**	**1.7300e-003**	**0.0000**	**2.5533**	**2.5533**	**2.7000e-004**	**0.0000**	**2.5589**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6000e-004	1.0900e-003	0.0103	2.0000e-005	1.5312	1.0000e-005	1.5312	0.1530	1.0000e-005	0.1530	0.0000	1.3539	1.3539	8.0000e-005	0.0000	1.3556
Total	**7.6000e-004**	**1.0900e-003**	**0.0103**	**2.0000e-005**	**1.5312**	**1.0000e-005**	**1.5312**	**0.1530**	**1.0000e-005**	**0.1530**	**0.0000**	**1.3539**	**1.3539**	**8.0000e-005**	**0.0000**	**1.3556**

3.6 Architectural Coating - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.6515					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3200e-003	0.0219	0.0187	3.0000e-005		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	2.5533	2.5533	2.7000e-004	0.0000	2.5589
Total	**3.6548**	**0.0219**	**0.0187**	**3.0000e-005**		**1.7300e-003**	**1.7300e-003**		**1.7300e-003**	**1.7300e-003**	**0.0000**	**2.5533**	**2.5533**	**2.7000e-004**	**0.0000**	**2.5589**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6000e-004	1.0900e-003	0.0103	2.0000e-005	1.5312	1.0000e-005	1.5312	0.1530	1.0000e-005	0.1530	0.0000	1.3539	1.3539	8.0000e-005	0.0000	1.3556
Total	**7.6000e-004**	**1.0900e-003**	**0.0103**	**2.0000e-005**	**1.5312**	**1.0000e-005**	**1.5312**	**0.1530**	**1.0000e-005**	**0.1530**	**0.0000**	**1.3539**	**1.3539**	**8.0000e-005**	**0.0000**	**1.3556**

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	9.2590	19.9896	86.7142	0.0942	5.9183	0.2715	6.1898	1.5817	0.2493	1.8310	0.0000	7,681.3066	7,681.3066	0.3664	0.0000	7,689.0000
Unmitigated	9.2590	19.9896	86.7142	0.0942	5.9183	0.2715	6.1898	1.5817	0.2493	1.8310	0.0000	7,681.3066	7,681.3066	0.3664	0.0000	7,689.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Regional Shopping Center	11,618.47	15,746.55	7953.63	15,475,376	15,475,376
Total	11,618.47	15,746.55	7,953.63	15,475,376	15,475,376

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
Regional Shopping Center	12.50	4.20	5.40	16.30	64.70	19.00	54	35	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.471855	0.065175	0.166332	0.156405	0.039113	0.006494	0.011699	0.073524	0.001462	0.001244	0.003779	0.000566	0.002355

4.4 Fleet Mix

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	1,412.1704	1,412.1704	0.0649	0.0134	1,417.6970
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,412.1704	1,412.1704	0.0649	0.0134	1,417.6970
NaturalGas Mitigated	3.9400e-003	0.0358	0.0301	2.2000e-004		2.7200e-003	2.7200e-003		2.7200e-003	2.7200e-003	0.0000	39.0131	39.0131	7.5000e-004	7.2000e-004	39.2506
NaturalGas Unmitigated	3.9400e-003	0.0358	0.0301	2.2000e-004		2.7200e-003	2.7200e-003		2.7200e-003	2.7200e-003	0.0000	39.0131	39.0131	7.5000e-004	7.2000e-004	39.2506

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					
Regional Shopping Center	731078	3.9400e-003	0.0358	0.0301	2.2000e-004		2.7200e-003	2.7200e-003		2.7200e-003	2.7200e-003	0.0000	39.0131	39.0131	7.5000e-004	7.2000e-004	39.2506
Total		**3.9400e-003**	**0.0358**	**0.0301**	**2.2000e-004**		**2.7200e-003**	**2.7200e-003**		**2.7200e-003**	**2.7200e-003**	**0.0000**	**39.0131**	**39.0131**	**7.5000e-004**	**7.2000e-004**	**39.2506**

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					
Regional Shopping Center	731078	3.9400e-003	0.0358	0.0301	2.2000e-004		2.7200e-003	2.7200e-003		2.7200e-003	2.7200e-003	0.0000	39.0131	39.0131	7.5000e-004	7.2000e-004	39.2506
Total		**3.9400e-003**	**0.0358**	**0.0301**	**2.2000e-004**		**2.7200e-003**	**2.7200e-003**		**2.7200e-003**	**2.7200e-003**	**0.0000**	**39.0131**	**39.0131**	**7.5000e-004**	**7.2000e-004**	**39.2506**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Regional Shopping Center	4.93478e+006	1,412.1704	0.0649	0.0134	1,417.6970
Total		**1,412.1704**	**0.0649**	**0.0134**	**1,417.6970**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Regional Shopping Center	4.93478e+006	1,412.1704	0.0649	0.0134	1,417.6970
Total		**1,412.1704**	**0.0649**	**0.0134**	**1,417.6970**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.5961	3.0000e-005	3.0000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.6300e-003	5.6300e-003	2.0000e-005	0.0000	5.9700e-003
Unmitigated	1.5961	3.0000e-005	3.0000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.6300e-003	5.6300e-003	2.0000e-005	0.0000	5.9700e-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	0.3652					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2307					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	3.0000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.6300e-003	5.6300e-003	2.0000e-005	0.0000	5.9700e-003
Total	**1.5962**	**3.0000e-005**	**3.0000e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.6300e-003**	**5.6300e-003**	**2.0000e-005**	**0.0000**	**5.9700e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3652					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2307					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	3.0000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.6300e-003	5.6300e-003	2.0000e-005	0.0000	5.9700e-003
Total	**1.5962**	**3.0000e-005**	**3.0000e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.6300e-003**	**5.6300e-003**	**2.0000e-005**	**0.0000**	**5.9700e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	139.8647	0.7665	0.0192	161.9110
Unmitigated	139.8647	0.7667	0.0192	161.9229

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Regional Shopping Center	23.3417 / 14.3062	139.8647	0.7667	0.0192	161.9229
Total		**139.8647**	**0.7667**	**0.0192**	**161.9229**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Regional Shopping Center	23.3417 / 14.3062	139.8647	0.7665	0.0192	161.9110
Total		**139.8647**	**0.7665**	**0.0192**	**161.9110**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	67.1657	3.9694	0.0000	150.5226
Unmitigated	67.1657	3.9694	0.0000	150.5226

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Regional Shopping Center	330.88	67.1657	3.9694	0.0000	150.5226
Total		**67.1657**	**3.9694**	**0.0000**	**150.5226**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Regional Shopping Center	330.88	67.1657	3.9694	0.0000	150.5226
Total		**67.1657**	**3.9694**	**0.0000**	**150.5226**

9.0 Operational Offroad

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

10.0 Vegetation

Palm Springs Mall Full Occupancy

Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Regional Shopping Center	315.12	1000sqft	7.23	315,120.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2015
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Assumes full occupancy of PS Mall including Kaplan College.

Land Use - Assumes 315,120 SF is for regional shopping (mall). Based on Traffic Report for accurate trip generations.

Construction Phase - Construction phases are not necessary, only the operational emissions will be analyzed.

Road Dust - All roads are paved in the surrounding area.

Energy Use -

Off-road Equipment -

Grading -

Demolition -

Trips and VMT -

On-road Fugitive Dust -

Architectural Coating -

Vehicle Trips - Operational trip rate was adjusted to reflect traffic report.

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	OperationalYear	2014	2015
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	WD_TR	42.94	36.87

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					
2016	5.1716	54.7328	42.2601	0.0452	1,024.8551	2.9397	1,026.9042	102.3791	2.7045	104.3027	0.0000	4,322.0748	4,322.0748	1.2349	0.0000	4,348.0066
2017	365.5722	20.3727	15.5960	0.0238	161.9914	1.1392	162.1658	16.1806	1.0481	16.3549	0.0000	2,395.1178	2,395.1178	0.7056	0.0000	2,409.9359
Total	**370.7439**	**75.1055**	**57.8561**	**0.0690**	**1,186.8465**	**4.0789**	**1,189.0699**	**118.5597**	**3.7526**	**120.6576**	**0.0000**	**6,717.1925**	**6,717.1925**	**1.9405**	**0.0000**	**6,757.9425**

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					
2016	5.1716	54.7328	42.2601	0.0452	1,024.8551	2.9397	1,026.9042	102.3791	2.7045	104.3027	0.0000	4,322.0748	4,322.0748	1.2349	0.0000	4,348.0066
2017	365.5722	20.3727	15.5960	0.0238	161.9914	1.1392	162.1658	16.1806	1.0481	16.3549	0.0000	2,395.1178	2,395.1178	0.7056	0.0000	2,409.9359
Total	**370.7439**	**75.1055**	**57.8561**	**0.0690**	**1,186.8465**	**4.0789**	**1,189.0699**	**118.5597**	**3.7526**	**120.6576**	**0.0000**	**6,717.1925**	**6,717.1925**	**1.9405**	**0.0000**	**6,757.9425**

	ROG	NOx	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	8.7477	3.2000e-004	0.0333	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0690	0.0690	2.0000e-004		0.0732
Energy	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149		235.6417	235.6417	4.5200e-003	4.3200e-003	237.0758
Mobile	80.4806	140.9079	669.0903	0.7086	44.3412	2.0020	46.3432	11.8393	1.8384	13.6778		63,613.4073	63,613.4073	2.9899		63,676.1954
Total	**89.2499**	**141.1046**	**669.2886**	**0.7098**	**44.3412**	**2.0170**	**46.3582**	**11.8393**	**1.8535**	**13.6928**		**63,849.1180**	**63,849.1180**	**2.9946**	**4.3200e-003**	**63,913.3443**

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	8.7477	3.2000e-004	0.0333	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0690	0.0690	2.0000e-004		0.0732
Energy	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149		235.6417	235.6417	4.5200e-003	4.3200e-003	237.0758
Mobile	80.4806	140.9079	669.0903	0.7086	44.3412	2.0020	46.3432	11.8393	1.8384	13.6778		63,613.4073	63,613.4073	2.9899		63,676.1954
Total	**89.2499**	**141.1046**	**669.2886**	**0.7098**	**44.3412**	**2.0170**	**46.3582**	**11.8393**	**1.8535**	**13.6928**		**63,849.1180**	**63,849.1180**	**2.9946**	**4.3200e-003**	**63,913.3443**

	ROG	NOx	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	Site Preparation	Site Preparation	1/1/2016	1/14/2016	5	10	
2	Grading	Grading	1/15/2016	2/11/2016	5	20	
3	Building Construction	Building Construction	2/12/2016	12/29/2016	5	230	
4	Paving	Paving	12/30/2016	1/26/2017	5	20	
5	Architectural Coating	Architectural Coating	1/27/2017	2/23/2017	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 472,680; Non-Residential Outdoor: 157,560 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	101.00	52.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	20.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Clean Paved Roads

3.2 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.0771	54.6323	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036		4,065.0053	4,065.0053	1.2262		4,090.7544
Total	**5.0771**	**54.6323**	**41.1053**	**0.0391**	**18.0663**	**2.9387**	**21.0049**	**9.9307**	**2.7036**	**12.6343**		**4,065.0053**	**4,065.0053**	**1.2262**		**4,090.7544**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0946	0.1005	1.1548	1.7600e-003	145.7922	9.9000e-004	145.7932	14.5625	9.0000e-004	14.5634		142.6944	142.6944	8.7000e-003		142.8771
Total	**0.0946**	**0.1005**	**1.1548**	**1.7600e-003**	**145.7922**	**9.9000e-004**	**145.7932**	**14.5625**	**9.0000e-004**	**14.5634**		**142.6944**	**142.6944**	**8.7000e-003**		**142.8771**

3.2 Site Preparation - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.0771	54.6323	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036	0.0000	4,065.0053	4,065.0053	1.2262		4,090.7544
Total	**5.0771**	**54.6323**	**41.1053**	**0.0391**	**18.0663**	**2.9387**	**21.0049**	**9.9307**	**2.7036**	**12.6343**	**0.0000**	**4,065.0053**	**4,065.0053**	**1.2262**		**4,090.7544**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0946	0.1005	1.1548	1.7600e-003	145.7922	9.9000e-004	145.7932	14.5625	9.0000e-004	14.5634		142.6944	142.6944	8.7000e-003		142.8771
Total	**0.0946**	**0.1005**	**1.1548**	**1.7600e-003**	**145.7922**	**9.9000e-004**	**145.7932**	**14.5625**	**9.0000e-004**	**14.5634**		**142.6944**	**142.6944**	**8.7000e-003**		**142.8771**

3.3 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	3.6669	38.4466	26.0787	0.0298		2.1984	2.1984		2.0225	2.0225		3,093.7889	3,093.7889	0.9332		3,113.3860
Total	**3.6669**	**38.4466**	**26.0787**	**0.0298**	**6.5523**	**2.1984**	**8.7507**	**3.3675**	**2.0225**	**5.3900**		**3,093.7889**	**3,093.7889**	**0.9332**		**3,113.3860**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0788	0.0837	0.9624	1.4600e-003	121.4935	8.2000e-004	121.4943	12.1354	7.5000e-004	12.1362		118.9120	118.9120	7.2500e-003		119.0643
Total	**0.0788**	**0.0837**	**0.9624**	**1.4600e-003**	**121.4935**	**8.2000e-004**	**121.4943**	**12.1354**	**7.5000e-004**	**12.1362**		**118.9120**	**118.9120**	**7.2500e-003**		**119.0643**

3.3 Grading - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	3.6669	38.4466	26.0787	0.0298		2.1984	2.1984		2.0225	2.0225	0.0000	3,093.7889	3,093.7889	0.9332		3,113.3860
Total	**3.6669**	**38.4466**	**26.0787**	**0.0298**	**6.5523**	**2.1984**	**8.7507**	**3.3675**	**2.0225**	**5.3900**	**0.0000**	**3,093.7889**	**3,093.7889**	**0.9332**		**3,113.3860**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0788	0.0837	0.9624	1.4600e-003	121.4935	8.2000e-004	121.4943	12.1354	7.5000e-004	12.1362		118.9120	118.9120	7.2500e-003		119.0643
Total	**0.0788**	**0.0837**	**0.9624**	**1.4600e-003**	**121.4935**	**8.2000e-004**	**121.4943**	**12.1354**	**7.5000e-004**	**12.1362**		**118.9120**	**118.9120**	**7.2500e-003**		**119.0643**

3.4 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890
Total	**3.4062**	**28.5063**	**18.5066**	**0.0268**		**1.9674**	**1.9674**		**1.8485**	**1.8485**		**2,669.2864**	**2,669.2864**	**0.6620**		**2,683.1890**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5383	3.6107	6.5948	8.5500e-003	206.7988	0.0761	206.8750	20.6673	0.0700	20.7373		852.1143	852.1143	5.6700e-003		852.2335
Worker	0.5306	0.5638	6.4800	9.8600e-003	818.0563	5.5300e-003	818.0618	81.7119	5.0800e-003	81.7170		800.6740	800.6740	0.0488		801.6994
Total	**1.0689**	**4.1745**	**13.0748**	**0.0184**	**1,024.8551**	**0.0817**	**1,024.9368**	**102.3791**	**0.0751**	**102.4542**		**1,652.7884**	**1,652.7884**	**0.0545**		**1,653.9329**

3.4 Building Construction - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620		2,683.1890
Total	**3.4062**	**28.5063**	**18.5066**	**0.0268**		**1.9674**	**1.9674**		**1.8485**	**1.8485**	**0.0000**	**2,669.2864**	**2,669.2864**	**0.6620**		**2,683.1890**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5383	3.6107	6.5948	8.5500e-003	206.7988	0.0761	206.8750	20.6673	0.0700	20.7373		852.1143	852.1143	5.6700e-003		852.2335
Worker	0.5306	0.5638	6.4800	9.8600e-003	818.0563	5.5300e-003	818.0618	81.7119	5.0800e-003	81.7170		800.6740	800.6740	0.0488		801.6994
Total	**1.0689**	**4.1745**	**13.0748**	**0.0184**	**1,024.8551**	**0.0817**	**1,024.9368**	**102.3791**	**0.0751**	**102.4542**		**1,652.7884**	**1,652.7884**	**0.0545**		**1,653.9329**

3.5 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0898	22.3859	14.8176	0.0223		1.2610	1.2610		1.1601	1.1601		2,316.3767	2,316.3767	0.6987		2,331.0495
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0898**	**22.3859**	**14.8176**	**0.0223**		**1.2610**	**1.2610**		**1.1601**	**1.1601**		**2,316.3767**	**2,316.3767**	**0.6987**		**2,331.0495**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0788	0.0837	0.9624	1.4600e-003	121.4935	8.2000e-004	121.4943	12.1354	7.5000e-004	12.1362		118.9120	118.9120	7.2500e-003		119.0643
Total	**0.0788**	**0.0837**	**0.9624**	**1.4600e-003**	**121.4935**	**8.2000e-004**	**121.4943**	**12.1354**	**7.5000e-004**	**12.1362**		**118.9120**	**118.9120**	**7.2500e-003**		**119.0643**

3.5 Paving - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0898	22.3859	14.8176	0.0223		1.2610	1.2610		1.1601	1.1601	0.0000	2,316.3767	2,316.3767	0.6987		2,331.0495
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0898**	**22.3859**	**14.8176**	**0.0223**		**1.2610**	**1.2610**		**1.1601**	**1.1601**	**0.0000**	**2,316.3767**	**2,316.3767**	**0.6987**		**2,331.0495**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0788	0.0837	0.9624	1.4600e-003	121.4935	8.2000e-004	121.4943	12.1354	7.5000e-004	12.1362		118.9120	118.9120	7.2500e-003		119.0643
Total	**0.0788**	**0.0837**	**0.9624**	**1.4600e-003**	**121.4935**	**8.2000e-004**	**121.4943**	**12.1354**	**7.5000e-004**	**12.1362**		**118.9120**	**118.9120**	**7.2500e-003**		**119.0643**

3.5 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9074	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473		2,281.0588	2,281.0588	0.6989		2,295.7360
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9074**	**20.2964**	**14.7270**	**0.0223**		**1.1384**	**1.1384**		**1.0473**	**1.0473**		**2,281.0588**	**2,281.0588**	**0.6989**		**2,295.7360**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0710	0.0763	0.8690	1.4600e-003	121.4935	8.0000e-004	121.4943	12.1354	7.4000e-004	12.1362		114.0590	114.0590	6.7100e-003		114.2000
Total	**0.0710**	**0.0763**	**0.8690**	**1.4600e-003**	**121.4935**	**8.0000e-004**	**121.4943**	**12.1354**	**7.4000e-004**	**12.1362**		**114.0590**	**114.0590**	**6.7100e-003**		**114.2000**

3.5 Paving - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9074	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473	0.0000	2,281.0588	2,281.0588	0.6989		2,295.7360
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9074**	**20.2964**	**14.7270**	**0.0223**		**1.1384**	**1.1384**		**1.0473**	**1.0473**	**0.0000**	**2,281.0588**	**2,281.0588**	**0.6989**		**2,295.7360**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0710	0.0763	0.8690	1.4600e-003	121.4935	8.0000e-004	121.4943	12.1354	7.4000e-004	12.1362		114.0590	114.0590	6.7100e-003		114.2000
Total	**0.0710**	**0.0763**	**0.8690**	**1.4600e-003**	**121.4935**	**8.0000e-004**	**121.4943**	**12.1354**	**7.4000e-004**	**12.1362**		**114.0590**	**114.0590**	**6.7100e-003**		**114.2000**

3.6 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	365.1453					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721
Total	**365.4776**	**2.1850**	**1.8681**	**2.9700e-003**		**0.1733**	**0.1733**		**0.1733**	**0.1733**		**281.4481**	**281.4481**	**0.0297**		**282.0721**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0946	0.1017	1.1586	1.9500e-003	161.9914	1.0600e-003	161.9924	16.1806	9.8000e-004	16.1816		152.0786	152.0786	8.9500e-003		152.2666
Total	**0.0946**	**0.1017**	**1.1586**	**1.9500e-003**	**161.9914**	**1.0600e-003**	**161.9924**	**16.1806**	**9.8000e-004**	**16.1816**		**152.0786**	**152.0786**	**8.9500e-003**		**152.2666**

3.6 Architectural Coating - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	365.1453					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297		282.0721
Total	**365.4776**	**2.1850**	**1.8681**	**2.9700e-003**		**0.1733**	**0.1733**		**0.1733**	**0.1733**	**0.0000**	**281.4481**	**281.4481**	**0.0297**		**282.0721**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0946	0.1017	1.1586	1.9500e-003	161.9914	1.0600e-003	161.9924	16.1806	9.8000e-004	16.1816		152.0786	152.0786	8.9500e-003		152.2666
Total	**0.0946**	**0.1017**	**1.1586**	**1.9500e-003**	**161.9914**	**1.0600e-003**	**161.9924**	**16.1806**	**9.8000e-004**	**16.1816**		**152.0786**	**152.0786**	**8.9500e-003**		**152.2666**

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	80.4806	140.9079	669.0903	0.7086	44.3412	2.0020	46.3432	11.8393	1.8384	13.6778		63,613.4073	63,613.4073	2.9899		63,676.1954
Unmitigated	80.4806	140.9079	669.0903	0.7086	44.3412	2.0020	46.3432	11.8393	1.8384	13.6778		63,613.4073	63,613.4073	2.9899		63,676.1954

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Regional Shopping Center	11,618.47	15,746.55	7953.63	15,475,376	15,475,376
Total	11,618.47	15,746.55	7,953.63	15,475,376	15,475,376

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
Regional Shopping Center	12.50	4.20	5.40	16.30	64.70	19.00	54	35	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.471855	0.065175	0.166332	0.156405	0.039113	0.006494	0.011699	0.073524	0.001462	0.001244	0.003779	0.000566	0.002355

4.4 Fleet Mix

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	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149		235.6417	235.6417	4.5200e-003	4.3200e-003	237.0758
NaturalGas Unmitigated	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149		235.6417	235.6417	4.5200e-003	4.3200e-003	237.0758

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					
Regional Shopping Center	2002.95	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149		235.6417	235.6417	4.5200e-003	4.3200e-003	237.0758
Total		**0.0216**	**0.1964**	**0.1650**	**1.1800e-003**		**0.0149**	**0.0149**		**0.0149**	**0.0149**		**235.6417**	**235.6417**	**4.5200e-003**	**4.3200e-003**	**237.0758**

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					
Regional Shopping Center	2.00295	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149		235.6417	235.6417	4.5200e-003	4.3200e-003	237.0758
Total		**0.0216**	**0.1964**	**0.1650**	**1.1800e-003**		**0.0149**	**0.0149**		**0.0149**	**0.0149**		**235.6417**	**235.6417**	**4.5200e-003**	**4.3200e-003**	**237.0758**

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	8.7477	3.2000e-004	0.0333	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0690	0.0690	2.0000e-004		0.0732
Unmitigated	8.7477	3.2000e-004	0.0333	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0690	0.0690	2.0000e-004		0.0732

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	2.0008					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.7436					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.2900e-003	3.2000e-004	0.0333	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0690	0.0690	2.0000e-004		0.0732
Total	**8.7477**	**3.2000e-004**	**0.0333**	**0.0000**		**1.2000e-004**	**1.2000e-004**		**1.2000e-004**	**1.2000e-004**		**0.0690**	**0.0690**	**2.0000e-004**		**0.0732**

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	2.0008					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.7436					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.2900e-003	3.2000e-004	0.0333	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0690	0.0690	2.0000e-004		0.0732
Total	**8.7477**	**3.2000e-004**	**0.0333**	**0.0000**		**1.2000e-004**	**1.2000e-004**		**1.2000e-004**	**1.2000e-004**		**0.0690**	**0.0690**	**2.0000e-004**		**0.0732**

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 Vegetation

Palm Springs Mall Full Occupancy

Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Regional Shopping Center	315.12	1000sqft	7.23	315,120.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	15			**Operational Year**	2015
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Assumes full occupancy of PS Mall including Kaplan College.

Land Use - Assumes 315,120 SF is for regional shopping (mall). Based on Traffic Report for accurate trip generations.

Construction Phase - Construction phases are not necessary, only the operational emissions will be analyzed.

Road Dust - All roads are paved in the surrounding area.

Energy Use -

Off-road Equipment -

Grading -

Demolition -

Trips and VMT -

On-road Fugitive Dust -

Architectural Coating -

Vehicle Trips - Operational trip rate was adjusted to reflect traffic report.

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	OperationalYear	2014	2015
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	WD_TR	42.94	36.87

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					
2016	5.1480	54.7439	42.0598	0.0444	1,024.8551	2.9397	1,026.9053	102.3791	2.7045	104.3037	0.0000	4,254.6238	4,254.6238	1.2349	0.0000	4,280.5557
2017	365.5483	20.3810	15.4440	0.0237	161.9914	1.1392	162.1658	16.1806	1.0481	16.3549	0.0000	2,386.8379	2,386.8379	0.7056	0.0000	2,401.6561
Total	**370.6963**	**75.1249**	**57.5037**	**0.0681**	**1,186.8465**	**4.0789**	**1,189.0710**	**118.5597**	**3.7526**	**120.6586**	**0.0000**	**6,641.4617**	**6,641.4617**	**1.9405**	**0.0000**	**6,682.2117**

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					
2016	5.1480	54.7439	42.0598	0.0444	1,024.8551	2.9397	1,026.9053	102.3791	2.7045	104.3037	0.0000	4,254.6238	4,254.6238	1.2349	0.0000	4,280.5557
2017	365.5483	20.3810	15.4440	0.0237	161.9914	1.1392	162.1658	16.1806	1.0481	16.3549	0.0000	2,386.8379	2,386.8379	0.7056	0.0000	2,401.6561
Total	**370.6963**	**75.1249**	**57.5037**	**0.0681**	**1,186.8465**	**4.0789**	**1,189.0710**	**118.5597**	**3.7526**	**120.6586**	**0.0000**	**6,641.4617**	**6,641.4617**	**1.9405**	**0.0000**	**6,682.2117**

	ROG	NOx	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	8.7477	3.2000e-004	0.0333	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0690	0.0690	2.0000e-004		0.0732
Energy	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149		235.6417	235.6417	4.5200e-003	4.3200e-003	237.0758
Mobile	67.7417	151.0813	684.7542	0.6727	44.3412	2.0270	46.3682	11.8393	1.8615	13.7008		60,475.8804	60,475.8804	2.9991		60,538.8614
Total	**76.5110**	**151.2780**	**684.9524**	**0.6739**	**44.3412**	**2.0421**	**46.3833**	**11.8393**	**1.8765**	**13.7159**		**60,711.5911**	**60,711.5911**	**3.0038**	**4.3200e-003**	**60,776.0103**

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	8.7477	3.2000e-004	0.0333	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0690	0.0690	2.0000e-004		0.0732
Energy	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149		235.6417	235.6417	4.5200e-003	4.3200e-003	237.0758
Mobile	67.7417	151.0813	684.7542	0.6727	44.3412	2.0270	46.3682	11.8393	1.8615	13.7008		60,475.8804	60,475.8804	2.9991		60,538.8614
Total	**76.5110**	**151.2780**	**684.9524**	**0.6739**	**44.3412**	**2.0421**	**46.3833**	**11.8393**	**1.8765**	**13.7159**		**60,711.5911**	**60,711.5911**	**3.0038**	**4.3200e-003**	**60,776.0103**

	ROG	NOx	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	Site Preparation	Site Preparation	1/1/2016	1/14/2016	5	10	
2	Grading	Grading	1/15/2016	2/11/2016	5	20	
3	Building Construction	Building Construction	2/12/2016	12/29/2016	5	230	
4	Paving	Paving	12/30/2016	1/26/2017	5	20	
5	Architectural Coating	Architectural Coating	1/27/2017	2/23/2017	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 472,680; Non-Residential Outdoor: 157,560 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	101.00	52.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	20.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Clean Paved Roads

3.2 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.0771	54.6323	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036		4,065.0053	4,065.0053	1.2262		4,090.7544
Total	**5.0771**	**54.6323**	**41.1053**	**0.0391**	**18.0663**	**2.9387**	**21.0049**	**9.9307**	**2.7036**	**12.6343**		**4,065.0053**	**4,065.0053**	**1.2262**		**4,090.7544**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0709	0.1116	0.9545	1.6300e-003	145.7922	9.9000e-004	145.7932	14.5625	9.0000e-004	14.5634		132.3586	132.3586	8.7000e-003		132.5413
Total	**0.0709**	**0.1116**	**0.9545**	**1.6300e-003**	**145.7922**	**9.9000e-004**	**145.7932**	**14.5625**	**9.0000e-004**	**14.5634**		**132.3586**	**132.3586**	**8.7000e-003**		**132.5413**

3.2 Site Preparation - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.0771	54.6323	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036	0.0000	4,065.0053	4,065.0053	1.2262		4,090.7544
Total	**5.0771**	**54.6323**	**41.1053**	**0.0391**	**18.0663**	**2.9387**	**21.0049**	**9.9307**	**2.7036**	**12.6343**	**0.0000**	**4,065.0053**	**4,065.0053**	**1.2262**		**4,090.7544**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0709	0.1116	0.9545	1.6300e-003	145.7922	9.9000e-004	145.7932	14.5625	9.0000e-004	14.5634		132.3586	132.3586	8.7000e-003		132.5413
Total	**0.0709**	**0.1116**	**0.9545**	**1.6300e-003**	**145.7922**	**9.9000e-004**	**145.7932**	**14.5625**	**9.0000e-004**	**14.5634**		**132.3586**	**132.3586**	**8.7000e-003**		**132.5413**

3.3 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	3.6669	38.4466	26.0787	0.0298		2.1984	2.1984		2.0225	2.0225		3,093.7889	3,093.7889	0.9332		3,113.3860
Total	**3.6669**	**38.4466**	**26.0787**	**0.0298**	**6.5523**	**2.1984**	**8.7507**	**3.3675**	**2.0225**	**5.3900**		**3,093.7889**	**3,093.7889**	**0.9332**		**3,113.3860**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0591	0.0930	0.7954	1.3600e-003	121.4935	8.2000e-004	121.4943	12.1354	7.5000e-004	12.1362		110.2988	110.2988	7.2500e-003		110.4511
Total	**0.0591**	**0.0930**	**0.7954**	**1.3600e-003**	**121.4935**	**8.2000e-004**	**121.4943**	**12.1354**	**7.5000e-004**	**12.1362**		**110.2988**	**110.2988**	**7.2500e-003**		**110.4511**

3.3 Grading - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	3.6669	38.4466	26.0787	0.0298		2.1984	2.1984		2.0225	2.0225	0.0000	3,093.7889	3,093.7889	0.9332		3,113.3860
Total	**3.6669**	**38.4466**	**26.0787**	**0.0298**	**6.5523**	**2.1984**	**8.7507**	**3.3675**	**2.0225**	**5.3900**	**0.0000**	**3,093.7889**	**3,093.7889**	**0.9332**		**3,113.3860**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0591	0.0930	0.7954	1.3600e-003	121.4935	8.2000e-004	121.4943	12.1354	7.5000e-004	12.1362		110.2988	110.2988	7.2500e-003		110.4511
Total	**0.0591**	**0.0930**	**0.7954**	**1.3600e-003**	**121.4935**	**8.2000e-004**	**121.4943**	**12.1354**	**7.5000e-004**	**12.1362**		**110.2988**	**110.2988**	**7.2500e-003**		**110.4511**

3.4 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890
Total	**3.4062**	**28.5063**	**18.5066**	**0.0268**		**1.9674**	**1.9674**		**1.8485**	**1.8485**		**2,669.2864**	**2,669.2864**	**0.6620**		**2,683.1890**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5981	3.8275	8.1577	8.4800e-003	206.7988	0.0772	206.8761	20.6673	0.0710	20.7383		842.6587	842.6587	5.9400e-003		842.7834
Worker	0.3979	0.6262	5.3558	9.1300e-003	818.0563	5.5300e-003	818.0618	81.7119	5.0800e-003	81.7170		742.6787	742.6787	0.0488		743.7040
Total	**0.9960**	**4.4536**	**13.5135**	**0.0176**	**1,024.8551**	**0.0828**	**1,024.9379**	**102.3791**	**0.0761**	**102.4552**		**1,585.3374**	**1,585.3374**	**0.0548**		**1,586.4874**

3.4 Building Construction - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620		2,683.1890
Total	**3.4062**	**28.5063**	**18.5066**	**0.0268**		**1.9674**	**1.9674**		**1.8485**	**1.8485**	**0.0000**	**2,669.2864**	**2,669.2864**	**0.6620**		**2,683.1890**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5981	3.8275	8.1577	8.4800e-003	206.7988	0.0772	206.8761	20.6673	0.0710	20.7383		842.6587	842.6587	5.9400e-003		842.7834
Worker	0.3979	0.6262	5.3558	9.1300e-003	818.0563	5.5300e-003	818.0618	81.7119	5.0800e-003	81.7170		742.6787	742.6787	0.0488		743.7040
Total	**0.9960**	**4.4536**	**13.5135**	**0.0176**	**1,024.8551**	**0.0828**	**1,024.9379**	**102.3791**	**0.0761**	**102.4552**		**1,585.3374**	**1,585.3374**	**0.0548**		**1,586.4874**

3.5 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0898	22.3859	14.8176	0.0223		1.2610	1.2610		1.1601	1.1601		2,316.3767	2,316.3767	0.6987		2,331.0495
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0898**	**22.3859**	**14.8176**	**0.0223**		**1.2610**	**1.2610**		**1.1601**	**1.1601**		**2,316.3767**	**2,316.3767**	**0.6987**		**2,331.0495**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0591	0.0930	0.7954	1.3600e-003	121.4935	8.2000e-004	121.4943	12.1354	7.5000e-004	12.1362		110.2988	110.2988	7.2500e-003		110.4511
Total	**0.0591**	**0.0930**	**0.7954**	**1.3600e-003**	**121.4935**	**8.2000e-004**	**121.4943**	**12.1354**	**7.5000e-004**	**12.1362**		**110.2988**	**110.2988**	**7.2500e-003**		**110.4511**

3.5 Paving - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0898	22.3859	14.8176	0.0223		1.2610	1.2610		1.1601	1.1601	0.0000	2,316.3767	2,316.3767	0.6987		2,331.0495
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0898**	**22.3859**	**14.8176**	**0.0223**		**1.2610**	**1.2610**		**1.1601**	**1.1601**	**0.0000**	**2,316.3767**	**2,316.3767**	**0.6987**		**2,331.0495**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0591	0.0930	0.7954	1.3600e-003	121.4935	8.2000e-004	121.4943	12.1354	7.5000e-004	12.1362		110.2988	110.2988	7.2500e-003		110.4511
Total	**0.0591**	**0.0930**	**0.7954**	**1.3600e-003**	**121.4935**	**8.2000e-004**	**121.4943**	**12.1354**	**7.5000e-004**	**12.1362**		**110.2988**	**110.2988**	**7.2500e-003**		**110.4511**

3.5 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9074	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473		2,281.0588	2,281.0588	0.6989		2,295.7360
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9074**	**20.2964**	**14.7270**	**0.0223**		**1.1384**	**1.1384**		**1.0473**	**1.0473**		**2,281.0588**	**2,281.0588**	**0.6989**		**2,295.7360**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0530	0.0846	0.7169	1.3500e-003	121.4935	8.0000e-004	121.4943	12.1354	7.4000e-004	12.1362		105.7791	105.7791	6.7100e-003		105.9201
Total	**0.0530**	**0.0846**	**0.7169**	**1.3500e-003**	**121.4935**	**8.0000e-004**	**121.4943**	**12.1354**	**7.4000e-004**	**12.1362**		**105.7791**	**105.7791**	**6.7100e-003**		**105.9201**

3.5 Paving - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9074	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473	0.0000	2,281.0588	2,281.0588	0.6989		2,295.7360
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9074**	**20.2964**	**14.7270**	**0.0223**		**1.1384**	**1.1384**		**1.0473**	**1.0473**	**0.0000**	**2,281.0588**	**2,281.0588**	**0.6989**		**2,295.7360**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0530	0.0846	0.7169	1.3500e-003	121.4935	8.0000e-004	121.4943	12.1354	7.4000e-004	12.1362		105.7791	105.7791	6.7100e-003		105.9201
Total	**0.0530**	**0.0846**	**0.7169**	**1.3500e-003**	**121.4935**	**8.0000e-004**	**121.4943**	**12.1354**	**7.4000e-004**	**12.1362**		**105.7791**	**105.7791**	**6.7100e-003**		**105.9201**

3.6 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	365.1453					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.0721
Total	**365.4776**	**2.1850**	**1.8681**	**2.9700e-003**		**0.1733**	**0.1733**		**0.1733**	**0.1733**		**281.4481**	**281.4481**	**0.0297**		**282.0721**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.1128	0.9559	1.8100e-003	161.9914	1.0600e-003	161.9924	16.1806	9.8000e-004	16.1816		141.0388	141.0388	8.9500e-003		141.2268
Total	**0.0707**	**0.1128**	**0.9559**	**1.8100e-003**	**161.9914**	**1.0600e-003**	**161.9924**	**16.1806**	**9.8000e-004**	**16.1816**		**141.0388**	**141.0388**	**8.9500e-003**		**141.2268**

3.6 Architectural Coating - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	365.1453					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297		282.0721
Total	**365.4776**	**2.1850**	**1.8681**	**2.9700e-003**		**0.1733**	**0.1733**		**0.1733**	**0.1733**	**0.0000**	**281.4481**	**281.4481**	**0.0297**		**282.0721**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.1128	0.9559	1.8100e-003	161.9914	1.0600e-003	161.9924	16.1806	9.8000e-004	16.1816		141.0388	141.0388	8.9500e-003		141.2268
Total	**0.0707**	**0.1128**	**0.9559**	**1.8100e-003**	**161.9914**	**1.0600e-003**	**161.9924**	**16.1806**	**9.8000e-004**	**16.1816**		**141.0388**	**141.0388**	**8.9500e-003**		**141.2268**

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	67.7417	151.0813	684.7542	0.6727	44.3412	2.0270	46.3682	11.8393	1.8615	13.7008		60,475.8804	60,475.8804	2.9991		60,538.8614
Unmitigated	67.7417	151.0813	684.7542	0.6727	44.3412	2.0270	46.3682	11.8393	1.8615	13.7008		60,475.8804	60,475.8804	2.9991		60,538.8614

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Regional Shopping Center	11,618.47	15,746.55	7953.63	15,475,376	15,475,376
Total	11,618.47	15,746.55	7,953.63	15,475,376	15,475,376

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
Regional Shopping Center	12.50	4.20	5.40	16.30	64.70	19.00	54	35	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.471855	0.065175	0.166332	0.156405	0.039113	0.006494	0.011699	0.073524	0.001462	0.001244	0.003779	0.000566	0.002355

4.4 Fleet Mix

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	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149		235.6417	235.6417	4.5200e-003	4.3200e-003	237.0758
NaturalGas Unmitigated	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149		235.6417	235.6417	4.5200e-003	4.3200e-003	237.0758

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					
Regional Shopping Center	2002.95	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149		235.6417	235.6417	4.5200e-003	4.3200e-003	237.0758
Total		**0.0216**	**0.1964**	**0.1650**	**1.1800e-003**		**0.0149**	**0.0149**		**0.0149**	**0.0149**		**235.6417**	**235.6417**	**4.5200e-003**	**4.3200e-003**	**237.0758**

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					
Regional Shopping Center	2.00295	0.0216	0.1964	0.1650	1.1800e-003		0.0149	0.0149		0.0149	0.0149		235.6417	235.6417	4.5200e-003	4.3200e-003	237.0758
Total		**0.0216**	**0.1964**	**0.1650**	**1.1800e-003**		**0.0149**	**0.0149**		**0.0149**	**0.0149**		**235.6417**	**235.6417**	**4.5200e-003**	**4.3200e-003**	**237.0758**

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	8.7477	3.2000e-004	0.0333	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0690	0.0690	2.0000e-004		0.0732
Unmitigated	8.7477	3.2000e-004	0.0333	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0690	0.0690	2.0000e-004		0.0732

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	2.0008					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.7436					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.2900e-003	3.2000e-004	0.0333	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0690	0.0690	2.0000e-004		0.0732
Total	**8.7477**	**3.2000e-004**	**0.0333**	**0.0000**		**1.2000e-004**	**1.2000e-004**		**1.2000e-004**	**1.2000e-004**		**0.0690**	**0.0690**	**2.0000e-004**		**0.0732**

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	2.0008					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.7436					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.2900e-003	3.2000e-004	0.0333	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0690	0.0690	2.0000e-004		0.0732
Total	**8.7477**	**3.2000e-004**	**0.0333**	**0.0000**		**1.2000e-004**	**1.2000e-004**		**1.2000e-004**	**1.2000e-004**		**0.0690**	**0.0690**	**2.0000e-004**		**0.0732**

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 Vegetation

MORE INTENSE ALTERNATIVE

College of the Desert

West Valley Campus

Air Emission Outputs

CalEEMod Version 2013.2.2

More Intense Alternative Buildout

Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	10,050.00	Student	6.99	374,000.00	0
Library	37.50	1000sqft	0.86	37,500.00	0
Other Asphalt Surfaces	2.00	Acre	2.00	87,120.00	0
Parking Lot	1,723.00	Space	15.51	689,200.00	0
Apartments Low Rise	30.00	Dwelling Unit	3.75	20,000.00	60

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)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Includes demolition of the existing mall and addition of a 30 unit dormitory. Assumes 25% increase of building SF and student headcount.

Construction Phase - Assumes a 8 year buildout for AQ analysis purposes (buildout at 2025). Actual development will likely occur gradually with full buildout closer to 2030.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT - Hauling trips based on demo estimate from Demo Unlimited Inc. plus the additional 33 trips for 500 tons of concrete debris.

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition - Demolition material assumptions based on info provided by Demo Unlimted Inc., assumes 650 loads (12 tons ea) const. mat. and 885 loads (15 tons ea) concrete. Additional 500 tons of concrete added for conservative measure.

Grading - Material import assumptions provided by MSA Consulting. Additional 10,000 import was provided for conservative measure.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Trip rate was adjusted to reflect results of Traffic Report. Library = 1,640 daily trips: [30 (1,000s) SF x 54.66]

Road Dust - All roads are paved.

Woodstoves - No woodstoves/fireplaces.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00

tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstructionPhase	NumDays	35.00	150.00
tblConstructionPhase	NumDays	440.00	1,650.00
tblConstructionPhase	NumDays	30.00	50.00
tblConstructionPhase	NumDays	45.00	60.00
tblConstructionPhase	NumDays	35.00	150.00
tblFireplaces	FireplaceWoodMass	457.60	0.00
tblFireplaces	NumberGas	30.00	60.00
tblGrading	AcresOfGrading	90.00	29.11
tblGrading	MaterialImported	0.00	40,000.00
tblLandUse	LandUseSquareFeet	438,704.98	374,000.00
tblLandUse	LandUseSquareFeet	30,000.00	20,000.00
tblLandUse	LotAcreage	10.07	6.99
tblLandUse	LotAcreage	1.88	3.75
tblLandUse	Population	97.00	60.00
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	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
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tblOffRoadEquipment	UsageHours	7.00	6.00
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tblOffRoadEquipment	UsageHours	8.00	6.00
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	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
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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
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tblOnRoadDust	WorkerPercentPave	50.00	100.00
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tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblRoadDust	RoadPercentPave	50	100
tblTripsAndVMT	HaulingTripNumber	2,133.00	1,568.00
tblTripsAndVMT	HaulingTripNumber	5,000.00	1,250.00
tblTripsAndVMT	WorkerTripNumber	33.00	15.00
tblTripsAndVMT	WorkerTripNumber	33.00	20.00
tblTripsAndVMT	WorkerTripNumber	28.00	15.00
tblVehicleTrips	WD_TR	56.24	54.66

tblWoodstoves	NumberCatalytic	1.50	3.00
tblWoodstoves	NumberNoncatalytic	1.50	3.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	1.0749	8.8066	8.9896	0.0142	0.8211	0.4438	1.2649	0.2278	0.4138	0.6416	0.0000	1,208.8106	1,208.8106	0.1895	0.0000	1,212.7900
2018	1.1255	7.9719	10.7179	0.0180	0.6852	0.3895	1.0746	0.1842	0.3659	0.5501	0.0000	1,459.9209	1,459.9209	0.1922	0.0000	1,463.9561
2019	1.0206	7.2451	10.2591	0.0180	0.6851	0.3453	1.0304	0.1842	0.3243	0.5085	0.0000	1,429.2705	1,429.2705	0.1886	0.0000	1,433.2308
2020	0.9311	6.5755	9.8230	0.0181	0.6877	0.3102	0.9979	0.1849	0.2912	0.4760	0.0000	1,398.7435	1,398.7435	0.1864	0.0000	1,402.6569
2021	0.8508	5.8198	9.4942	0.0180	0.6850	0.2694	0.9544	0.1841	0.2528	0.4369	0.0000	1,386.8675	1,386.8675	0.1835	0.0000	1,390.7205
2022	0.7853	5.1526	9.2456	0.0179	0.6824	0.2352	0.9176	0.1834	0.2207	0.4041	0.0000	1,375.2783	1,375.2783	0.1813	0.0000	1,379.0862
2023	0.6246	4.1021	7.4522	0.0145	0.5158	0.1883	0.7041	0.1386	0.1763	0.3150	0.0000	1,119.2242	1,119.2242	0.1598	0.0000	1,122.5806
2024	3.9799	0.9155	2.1696	4.7400e-003	0.9345	0.0417	0.9762	0.2347	0.0391	0.2738	0.0000	327.6797	327.6797	0.0463	0.0000	328.6528
Total	**10.3927**	**46.5891**	**68.1512**	**0.1234**	**5.6968**	**2.2234**	**7.9202**	**1.5219**	**2.0840**	**3.6059**	**0.0000**	**9,705.7952**	**9,705.7952**	**1.3276**	**0.0000**	**9,733.6739**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	1.0749	7.3429	8.9896	0.0142	0.5803	0.4438	1.0241	0.1588	0.4138	0.5726	0.0000	1,208.8098	1,208.8098	0.1895	0.0000	1,212.7892
2018	1.1255	6.7523	10.7179	0.0180	0.6852	0.3895	1.0746	0.1842	0.3659	0.5501	0.0000	1,459.9202	1,459.9202	0.1922	0.0000	1,463.9554
2019	1.0206	6.1393	10.2591	0.0180	0.6851	0.3453	1.0304	0.1842	0.3243	0.5085	0.0000	1,429.2698	1,429.2698	0.1886	0.0000	1,433.2301
2020	0.9311	5.5589	9.8230	0.0181	0.6877	0.3102	0.9979	0.1849	0.2912	0.4760	0.0000	1,398.7427	1,398.7427	0.1864	0.0000	1,402.6561
2021	0.8508	4.9084	9.4942	0.0180	0.6850	0.2694	0.9544	0.1841	0.2528	0.4369	0.0000	1,386.8667	1,386.8667	0.1835	0.0000	1,390.7198
2022	0.7853	4.3517	9.2456	0.0179	0.6824	0.2352	0.9176	0.1834	0.2207	0.4041	0.0000	1,375.2776	1,375.2776	0.1813	0.0000	1,379.0854
2023	0.6246	3.4372	7.4522	0.0145	0.5158	0.1883	0.7041	0.1386	0.1763	0.3150	0.0000	1,119.2235	1,119.2235	0.1598	0.0000	1,122.5799
2024	3.9799	0.7559	2.1696	4.7400e-003	0.9345	0.0417	0.9762	0.2347	0.0391	0.2738	0.0000	327.6795	327.6795	0.0463	0.0000	328.6526
Total	**10.3927**	**39.2465**	**68.1511**	**0.1234**	**5.4560**	**2.2234**	**7.6794**	**1.4529**	**2.0840**	**3.5369**	**0.0000**	**9,705.7898**	**9,705.7898**	**1.3276**	**0.0000**	**9,733.6685**

	ROG	NOx	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**	**15.76**	**0.00**	**0.00**	**4.23**	**0.00**	**3.04**	**4.53**	**0.00**	**1.91**	**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	tons/yr										MT/yr					
Area	5.3716	3.5400e-003	0.3311	2.0000e-005		4.9200e-003	4.9200e-003		4.8800e-003	4.8800e-003	0.0000	47.8339	47.8339	1.8000e-003	8.7000e-004	48.1404
Energy	0.0383	0.3469	0.2836	2.0900e-003		0.0265	0.0265		0.0265	0.0265	0.0000	1,654.5922	1,654.5922	0.0659	0.0191	1,661.8908
Mobile	5.1043	10.1961	54.2496	0.1118	7.1796	0.2124	7.3919	1.9179	0.1958	2.1137	0.0000	7,532.8522	7,532.8522	0.2794	0.0000	7,538.7194
Waste						0.0000	0.0000		0.0000	0.0000	382.1224	0.0000	382.1224	22.5828	0.0000	856.3609
Water						0.0000	0.0000		0.0000	0.0000	7.8190	208.5923	216.4114	0.8127	0.0210	239.9710
Total	**10.5142**	**10.5465**	**54.8642**	**0.1139**	**7.1796**	**0.2437**	**7.4233**	**1.9179**	**0.2271**	**2.1450**	**389.9414**	**9,443.8707**	**9,833.8121**	**23.7426**	**0.0409**	**10,345.0824**

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	5.3716	3.5400e-003	0.3311	2.0000e-005		4.9200e-003	4.9200e-003		4.8800e-003	4.8800e-003	0.0000	47.8339	47.8339	1.8000e-003	8.7000e-004	48.1404
Energy	0.0383	0.3469	0.2836	2.0900e-003		0.0265	0.0265		0.0265	0.0265	0.0000	1,654.5922	1,654.5922	0.0659	0.0191	1,661.8908
Mobile	5.1043	10.1961	54.2496	0.1118	7.1796	0.2124	7.3919	1.9179	0.1958	2.1137	0.0000	7,532.8522	7,532.8522	0.2794	0.0000	7,538.7194
Waste						0.0000	0.0000		0.0000	0.0000	382.1224	0.0000	382.1224	22.5828	0.0000	856.3609
Water						0.0000	0.0000		0.0000	0.0000	7.8190	208.5923	216.4114	0.8125	0.0209	239.9586
Total	**10.5142**	**10.5465**	**54.8642**	**0.1139**	**7.1796**	**0.2437**	**7.4233**	**1.9179**	**0.2271**	**2.1450**	**389.9414**	**9,443.8707**	**9,833.8121**	**23.7424**	**0.0409**	**10,345.0700**

	ROG	NOx	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**	**0.07**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	3/10/2017	5	50	
2	Grading	Grading	3/11/2017	6/2/2017	5	60	
3	Building Construction	Building Construction	6/3/2017	9/29/2023	5	1650	
4	Paving	Paving	9/30/2023	4/26/2024	5	150	
5	Architectural Coating	Architectural Coating	4/27/2024	11/22/2024	5	150	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 29.11

Acres of Paving: 0

Residential Indoor: 40,500; Residential Outdoor: 13,500; Non-Residential Indoor: 778,944; Non-Residential Outdoor: 259,648 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40
Demolition	Rubber Tired Loaders	2	6.00	199	0.36
Demolition	Signal Boards	1	6.00	6	0.82
Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42

Grading	Plate Compactors	1	6.00	8	0.43
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45
Paving	Concrete/Industrial Saws	1	6.00	81	0.73
Paving	Graders	1	6.00	174	0.41
Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38

Paving	Signal Boards	1	6.00	6	0.82
Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	13	15.00	0.00	1,568.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	13	20.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	520.00	198.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	11	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	104.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	104.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	104.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	104.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2399	0.0000	0.2399	0.0363	0.0000	0.0363	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1368	1.4551	0.9154	1.2800e-003		0.0743	0.0743		0.0689	0.0689	0.0000	117.5205	117.5205	0.0336	0.0000	118.2268
Total	**0.1368**	**1.4551**	**0.9154**	**1.2800e-003**	**0.2399**	**0.0743**	**0.3142**	**0.0363**	**0.0689**	**0.1052**	**0.0000**	**117.5205**	**117.5205**	**0.0336**	**0.0000**	**118.2268**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0132	0.1667	0.1807	5.5000e-004	0.0136	3.8100e-003	0.0174	3.7300e-003	3.5000e-003	7.2300e-003	0.0000	49.3215	49.3215	2.7000e-004	0.0000	49.3272
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4300e-003	2.0400e-003	0.0194	4.0000e-005	3.1000e-003	2.0000e-005	3.1200e-003	8.2000e-004	2.0000e-005	8.4000e-004	0.0000	2.5386	2.5386	1.5000e-004	0.0000	2.5418
Total	**0.0146**	**0.1687**	**0.2001**	**5.9000e-004**	**0.0167**	**3.8300e-003**	**0.0205**	**4.5500e-003**	**3.5200e-003**	**8.0700e-003**	**0.0000**	**51.8601**	**51.8601**	**4.2000e-004**	**0.0000**	**51.8690**

3.2 Demolition - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0936	0.0000	0.0936	0.0142	0.0000	0.0142	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1368	1.1640	0.9154	1.2800e-003		0.0743	0.0743		0.0689	0.0689	0.0000	117.5203	117.5203	0.0336	0.0000	118.2267
Total	**0.1368**	**1.1640**	**0.9154**	**1.2800e-003**	**0.0936**	**0.0743**	**0.1679**	**0.0142**	**0.0689**	**0.0830**	**0.0000**	**117.5203**	**117.5203**	**0.0336**	**0.0000**	**118.2267**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0132	0.1667	0.1807	5.5000e-004	0.0136	3.8100e-003	0.0174	3.7300e-003	3.5000e-003	7.2300e-003	0.0000	49.3215	49.3215	2.7000e-004	0.0000	49.3272
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4300e-003	2.0400e-003	0.0194	4.0000e-005	3.1000e-003	2.0000e-005	3.1200e-003	8.2000e-004	2.0000e-005	8.4000e-004	0.0000	2.5386	2.5386	1.5000e-004	0.0000	2.5418
Total	**0.0146**	**0.1687**	**0.2001**	**5.9000e-004**	**0.0167**	**3.8300e-003**	**0.0205**	**4.5500e-003**	**3.5200e-003**	**8.0700e-003**	**0.0000**	**51.8601**	**51.8601**	**4.2000e-004**	**0.0000**	**51.8690**

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1549	0.0000	0.1549	0.0768	0.0000	0.0768	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1714	1.7998	1.1581	1.5000e-003		0.0984	0.0984		0.0906	0.0906	0.0000	138.5845	138.5845	0.0421	0.0000	139.4689
Total	**0.1714**	**1.7998**	**1.1581**	**1.5000e-003**	**0.1549**	**0.0984**	**0.2534**	**0.0768**	**0.0906**	**0.1674**	**0.0000**	**138.5845**	**138.5845**	**0.0421**	**0.0000**	**139.4689**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0105	0.1329	0.1440	4.4000e-004	0.0108	3.0300e-003	0.0139	2.9700e-003	2.7900e-003	5.7600e-003	0.0000	39.3188	39.3188	2.2000e-004	0.0000	39.3234
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2900e-003	3.2700e-003	0.0310	6.0000e-005	4.9600e-003	3.0000e-005	4.9900e-003	1.3200e-003	3.0000e-005	1.3500e-003	0.0000	4.0618	4.0618	2.4000e-004	0.0000	4.0669
Total	**0.0128**	**0.1361**	**0.1751**	**5.0000e-004**	**0.0158**	**3.0600e-003**	**0.0189**	**4.2900e-003**	**2.8200e-003**	**7.1100e-003**	**0.0000**	**43.3806**	**43.3806**	**4.6000e-004**	**0.0000**	**43.3903**

3.3 Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0604	0.0000	0.0604	0.0299	0.0000	0.0299	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1714	1.4398	1.1581	1.5000e-003		0.0984	0.0984		0.0906	0.0906	0.0000	138.5843	138.5843	0.0421	0.0000	139.4688
Total	**0.1714**	**1.4398**	**1.1581**	**1.5000e-003**	**0.0604**	**0.0984**	**0.1589**	**0.0299**	**0.0906**	**0.1205**	**0.0000**	**138.5843**	**138.5843**	**0.0421**	**0.0000**	**139.4688**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0105	0.1329	0.1440	4.4000e-004	0.0108	3.0300e-003	0.0139	2.9700e-003	2.7900e-003	5.7600e-003	0.0000	39.3188	39.3188	2.2000e-004	0.0000	39.3234
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2900e-003	3.2700e-003	0.0310	6.0000e-005	4.9600e-003	3.0000e-005	4.9900e-003	1.3200e-003	3.0000e-005	1.3500e-003	0.0000	4.0618	4.0618	2.4000e-004	0.0000	4.0669
Total	**0.0128**	**0.1361**	**0.1751**	**5.0000e-004**	**0.0158**	**3.0600e-003**	**0.0189**	**4.2900e-003**	**2.8200e-003**	**7.1100e-003**	**0.0000**	**43.3806**	**43.3806**	**4.6000e-004**	**0.0000**	**43.3903**

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4531	4.0635	2.6802	4.2100e-003		0.2430	0.2430		0.2285	0.2285	0.0000	377.4515	377.4515	0.0956	0.0000	379.4594
Total	**0.4531**	**4.0635**	**2.6802**	**4.2100e-003**		**0.2430**	**0.2430**		**0.2285**	**0.2285**	**0.0000**	**377.4515**	**377.4515**	**0.0956**	**0.0000**	**379.4594**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1372	0.9710	1.8437	2.4300e-003	0.0714	0.0191	0.0905	0.0203	0.0176	0.0379	0.0000	215.9965	215.9965	1.4100e-003	0.0000	216.0261
Worker	0.1491	0.2125	2.0171	3.7300e-003	0.3224	2.0700e-003	0.3245	0.0856	1.9100e-003	0.0875	0.0000	264.0169	264.0169	0.0158	0.0000	264.3495
Total	**0.2863**	**1.1835**	**3.8608**	**6.1600e-003**	**0.3938**	**0.0212**	**0.4150**	**0.1059**	**0.0195**	**0.1254**	**0.0000**	**480.0134**	**480.0134**	**0.0172**	**0.0000**	**480.3755**

3.4 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4531	3.2508	2.6802	4.2100e-003		0.2430	0.2430		0.2285	0.2285	0.0000	377.4510	377.4510	0.0956	0.0000	379.4590
Total	**0.4531**	**3.2508**	**2.6802**	**4.2100e-003**		**0.2430**	**0.2430**		**0.2285**	**0.2285**	**0.0000**	**377.4510**	**377.4510**	**0.0956**	**0.0000**	**379.4590**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1372	0.9710	1.8437	2.4300e-003	0.0714	0.0191	0.0905	0.0203	0.0176	0.0379	0.0000	215.9965	215.9965	1.4100e-003	0.0000	216.0261
Worker	0.1491	0.2125	2.0171	3.7300e-003	0.3224	2.0700e-003	0.3245	0.0856	1.9100e-003	0.0875	0.0000	264.0169	264.0169	0.0158	0.0000	264.3495
Total	**0.2863**	**1.1835**	**3.8608**	**6.1600e-003**	**0.3938**	**0.0212**	**0.4150**	**0.1059**	**0.0195**	**0.1254**	**0.0000**	**480.0134**	**480.0134**	**0.0172**	**0.0000**	**480.3755**

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6783	6.0982	4.5306	7.3200e-003		0.3547	0.3547		0.3339	0.3339	0.0000	649.1747	649.1747	0.1640	0.0000	652.6195
Total	**0.6783**	**6.0982**	**4.5306**	**7.3200e-003**		**0.3547**	**0.3547**		**0.3339**	**0.3339**	**0.0000**	**649.1747**	**649.1747**	**0.1640**	**0.0000**	**652.6195**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.2131	1.5350	2.9948	4.2100e-003	0.1242	0.0312	0.1554	0.0353	0.0287	0.0640	0.0000	369.0903	369.0903	2.4100e-003	0.0000	369.1409
Worker	0.2341	0.3388	3.1924	6.4900e-003	0.5610	3.5500e-003	0.5646	0.1489	3.2800e-003	0.1522	0.0000	441.6560	441.6560	0.0257	0.0000	442.1957
Total	**0.4472**	**1.8738**	**6.1873**	**0.0107**	**0.6852**	**0.0348**	**0.7199**	**0.1842**	**0.0320**	**0.2162**	**0.0000**	**810.7463**	**810.7463**	**0.0281**	**0.0000**	**811.3366**

3.4 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6783	4.8785	4.5306	7.3200e-003		0.3547	0.3547		0.3339	0.3339	0.0000	649.1739	649.1739	0.1640	0.0000	652.6187
Total	**0.6783**	**4.8785**	**4.5306**	**7.3200e-003**		**0.3547**	**0.3547**		**0.3339**	**0.3339**	**0.0000**	**649.1739**	**649.1739**	**0.1640**	**0.0000**	**652.6187**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.2131	1.5350	2.9948	4.2100e-003	0.1242	0.0312	0.1554	0.0353	0.0287	0.0640	0.0000	369.0903	369.0903	2.4100e-003	0.0000	369.1409
Worker	0.2341	0.3388	3.1924	6.4900e-003	0.5610	3.5500e-003	0.5646	0.1489	3.2800e-003	0.1522	0.0000	441.6560	441.6560	0.0257	0.0000	442.1957
Total	**0.4472**	**1.8738**	**6.1873**	**0.0107**	**0.6852**	**0.0348**	**0.7199**	**0.1842**	**0.0320**	**0.2162**	**0.0000**	**810.7463**	**810.7463**	**0.0281**	**0.0000**	**811.3366**

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6103	5.5290	4.4655	7.3200e-003		0.3128	0.3128		0.2944	0.2944	0.0000	641.7004	641.7004	0.1619	0.0000	645.1009
Total	**0.6103**	**5.5290**	**4.4655**	**7.3200e-003**		**0.3128**	**0.3128**		**0.2944**	**0.2944**	**0.0000**	**641.7004**	**641.7004**	**0.1619**	**0.0000**	**645.1009**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1953	1.4031	2.8397	4.2000e-003	0.1241	0.0290	0.1531	0.0352	0.0267	0.0619	0.0000	362.4958	362.4958	2.3600e-003	0.0000	362.5455
Worker	0.2149	0.3129	2.9540	6.4800e-003	0.5610	3.5500e-003	0.5646	0.1489	3.2900e-003	0.1522	0.0000	425.0743	425.0743	0.0243	0.0000	425.5845
Total	**0.4102**	**1.7161**	**5.7936**	**0.0107**	**0.6851**	**0.0325**	**0.7177**	**0.1842**	**0.0300**	**0.2141**	**0.0000**	**787.5701**	**787.5701**	**0.0267**	**0.0000**	**788.1300**

3.4 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6103	4.4232	4.4655	7.3200e-003		0.3128	0.3128		0.2944	0.2944	0.0000	641.6997	641.6997	0.1619	0.0000	645.1001
Total	**0.6103**	**4.4232**	**4.4655**	**7.3200e-003**		**0.3128**	**0.3128**		**0.2944**	**0.2944**	**0.0000**	**641.6997**	**641.6997**	**0.1619**	**0.0000**	**645.1001**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1953	1.4031	2.8397	4.2000e-003	0.1241	0.0290	0.1531	0.0352	0.0267	0.0619	0.0000	362.4958	362.4958	2.3600e-003	0.0000	362.5455
Worker	0.2149	0.3129	2.9540	6.4800e-003	0.5610	3.5500e-003	0.5646	0.1489	3.2900e-003	0.1522	0.0000	425.0743	425.0743	0.0243	0.0000	425.5845
Total	**0.4102**	**1.7161**	**5.7936**	**0.0107**	**0.6851**	**0.0325**	**0.7177**	**0.1842**	**0.0300**	**0.2141**	**0.0000**	**787.5701**	**787.5701**	**0.0267**	**0.0000**	**788.1300**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5619	5.0834	4.4338	7.3500e-003		0.2805	0.2805		0.2638	0.2638	0.0000	634.1181	634.1181	0.1608	0.0000	637.4955
Total	**0.5619**	**5.0834**	**4.4338**	**7.3500e-003**		**0.2805**	**0.2805**		**0.2638**	**0.2638**	**0.0000**	**634.1181**	**634.1181**	**0.1608**	**0.0000**	**637.4955**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1680	1.1979	2.6166	4.2000e-003	0.1245	0.0262	0.1507	0.0354	0.0241	0.0594	0.0000	355.2454	355.2454	2.2800e-003	0.0000	355.2933
Worker	0.2012	0.2943	2.7725	6.5000e-003	0.5632	3.5700e-003	0.5667	0.1495	3.3100e-003	0.1528	0.0000	409.3800	409.3800	0.0232	0.0000	409.8681
Total	**0.3692**	**1.4922**	**5.3891**	**0.0107**	**0.6877**	**0.0297**	**0.7174**	**0.1849**	**0.0274**	**0.2122**	**0.0000**	**764.6254**	**764.6254**	**0.0255**	**0.0000**	**765.1614**

3.4 Building Construction - 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	0.5619	4.0667	4.4338	7.3500e-003		0.2805	0.2805		0.2638	0.2638	0.0000	634.1174	634.1174	0.1608	0.0000	637.4947
Total	**0.5619**	**4.0667**	**4.4338**	**7.3500e-003**		**0.2805**	**0.2805**		**0.2638**	**0.2638**	**0.0000**	**634.1174**	**634.1174**	**0.1608**	**0.0000**	**637.4947**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1680	1.1979	2.6166	4.2000e-003	0.1245	0.0262	0.1507	0.0354	0.0241	0.0594	0.0000	355.2454	355.2454	2.2800e-003	0.0000	355.2933
Worker	0.2012	0.2943	2.7725	6.5000e-003	0.5632	3.5700e-003	0.5667	0.1495	3.3100e-003	0.1528	0.0000	409.3800	409.3800	0.0232	0.0000	409.8681
Total	**0.3692**	**1.4922**	**5.3891**	**0.0107**	**0.6877**	**0.0297**	**0.7174**	**0.1849**	**0.0274**	**0.2122**	**0.0000**	**764.6254**	**764.6254**	**0.0255**	**0.0000**	**765.1614**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5052	4.5572	4.3687	7.3200e-003		0.2431	0.2431		0.2286	0.2286	0.0000	631.6535	631.6535	0.1587	0.0000	634.9859
Total	**0.5052**	**4.5572**	**4.3687**	**7.3200e-003**		**0.2431**	**0.2431**		**0.2286**	**0.2286**	**0.0000**	**631.6535**	**631.6535**	**0.1587**	**0.0000**	**634.9859**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1557	0.9845	2.4947	4.1800e-003	0.1240	0.0227	0.1467	0.0352	0.0209	0.0561	0.0000	353.3994	353.3994	2.2900e-003	0.0000	353.4475
Worker	0.1900	0.2781	2.6307	6.4900e-003	0.5610	3.6000e-003	0.5646	0.1489	3.3400e-003	0.1523	0.0000	401.8146	401.8146	0.0225	0.0000	402.2871
Total	**0.3456**	**1.2626**	**5.1254**	**0.0107**	**0.6850**	**0.0263**	**0.7113**	**0.1841**	**0.0242**	**0.2084**	**0.0000**	**755.2140**	**755.2140**	**0.0248**	**0.0000**	**755.7346**

3.4 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5052	3.6458	4.3687	7.3200e-003		0.2431	0.2431		0.2286	0.2286	0.0000	631.6527	631.6527	0.1587	0.0000	634.9852
Total	**0.5052**	**3.6458**	**4.3687**	**7.3200e-003**		**0.2431**	**0.2431**		**0.2286**	**0.2286**	**0.0000**	**631.6527**	**631.6527**	**0.1587**	**0.0000**	**634.9852**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1557	0.9845	2.4947	4.1800e-003	0.1240	0.0227	0.1467	0.0352	0.0209	0.0561	0.0000	353.3994	353.3994	2.2900e-003	0.0000	353.4475
Worker	0.1900	0.2781	2.6307	6.4900e-003	0.5610	3.6000e-003	0.5646	0.1489	3.3400e-003	0.1523	0.0000	401.8146	401.8146	0.0225	0.0000	402.2871
Total	**0.3456**	**1.2626**	**5.1254**	**0.0107**	**0.6850**	**0.0263**	**0.7113**	**0.1841**	**0.0242**	**0.2084**	**0.0000**	**755.2140**	**755.2140**	**0.0248**	**0.0000**	**755.7346**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4542	4.0046	4.3078	7.3000e-003		0.2093	0.2093		0.1969	0.1969	0.0000	629.2945	629.2945	0.1572	0.0000	632.5960
Total	**0.4542**	**4.0046**	**4.3078**	**7.3000e-003**		**0.2093**	**0.2093**		**0.1969**	**0.1969**	**0.0000**	**629.2945**	**629.2945**	**0.1572**	**0.0000**	**632.5960**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1506	0.8822	2.4411	4.1600e-003	0.1235	0.0222	0.1458	0.0351	0.0205	0.0555	0.0000	351.5972	351.5972	2.3300e-003	0.0000	351.6461
Worker	0.1806	0.2659	2.4967	6.4600e-003	0.5589	3.6000e-003	0.5625	0.1484	3.3400e-003	0.1517	0.0000	394.3866	394.3866	0.0218	0.0000	394.8440
Total	**0.3311**	**1.1481**	**4.9378**	**0.0106**	**0.6824**	**0.0258**	**0.7082**	**0.1834**	**0.0238**	**0.2072**	**0.0000**	**745.9838**	**745.9838**	**0.0241**	**0.0000**	**746.4901**

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4542	3.2037	4.3078	7.3000e-003		0.2093	0.2093		0.1969	0.1969	0.0000	629.2937	629.2937	0.1572	0.0000	632.5953
Total	**0.4542**	**3.2037**	**4.3078**	**7.3000e-003**		**0.2093**	**0.2093**		**0.1969**	**0.1969**	**0.0000**	**629.2937**	**629.2937**	**0.1572**	**0.0000**	**632.5953**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1506	0.8822	2.4411	4.1600e-003	0.1235	0.0222	0.1458	0.0351	0.0205	0.0555	0.0000	351.5972	351.5972	2.3300e-003	0.0000	351.6461
Worker	0.1806	0.2659	2.4967	6.4600e-003	0.5589	3.6000e-003	0.5625	0.1484	3.3400e-003	0.1517	0.0000	394.3866	394.3866	0.0218	0.0000	394.8440
Total	**0.3311**	**1.1481**	**4.9378**	**0.0106**	**0.6824**	**0.0258**	**0.7082**	**0.1834**	**0.0238**	**0.2072**	**0.0000**	**745.9838**	**745.9838**	**0.0241**	**0.0000**	**746.4901**

3.4 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	0.3183	2.7688	3.2155	5.4700e-003		0.1403	0.1403		0.1318	0.1318	0.0000	471.9912	471.9912	0.1171	0.0000	474.4512
Total	**0.3183**	**2.7688**	**3.2155**	**5.4700e-003**		**0.1403**	**0.1403**		**0.1318**	**0.1318**	**0.0000**	**471.9912**	**471.9912**	**0.1171**	**0.0000**	**474.4512**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1055	0.5830	1.7620	3.1100e-003	0.0926	0.0160	0.1086	0.0263	0.0147	0.0410	0.0000	263.0357	263.0357	1.6400e-003	0.0000	263.0702
Worker	0.1297	0.1924	1.7901	4.8400e-003	0.4191	2.7100e-003	0.4219	0.1113	2.5200e-003	0.1138	0.0000	291.8651	291.8651	0.0159	0.0000	292.1997
Total	**0.2352**	**0.7755**	**3.5521**	**7.9500e-003**	**0.5118**	**0.0187**	**0.5305**	**0.1376**	**0.0172**	**0.1548**	**0.0000**	**554.9008**	**554.9008**	**0.0176**	**0.0000**	**555.2700**

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3183	2.2151	3.2155	5.4700e-003		0.1403	0.1403		0.1318	0.1318	0.0000	471.9906	471.9906	0.1171	0.0000	474.4506
Total	**0.3183**	**2.2151**	**3.2155**	**5.4700e-003**		**0.1403**	**0.1403**		**0.1318**	**0.1318**	**0.0000**	**471.9906**	**471.9906**	**0.1171**	**0.0000**	**474.4506**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1055	0.5830	1.7620	3.1100e-003	0.0926	0.0160	0.1086	0.0263	0.0147	0.0410	0.0000	263.0357	263.0357	1.6400e-003	0.0000	263.0702
Worker	0.1297	0.1924	1.7901	4.8400e-003	0.4191	2.7100e-003	0.4219	0.1113	2.5200e-003	0.1138	0.0000	291.8651	291.8651	0.0159	0.0000	292.1997
Total	**0.2352**	**0.7755**	**3.5521**	**7.9500e-003**	**0.5118**	**0.0187**	**0.5305**	**0.1376**	**0.0172**	**0.1548**	**0.0000**	**554.9008**	**554.9008**	**0.0176**	**0.0000**	**555.2700**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0599	0.5560	0.6674	1.0300e-003		0.0293	0.0293		0.0272	0.0272	0.0000	89.5258	89.5258	0.0250	0.0000	90.0499
Paving	9.9400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0698**	**0.5560**	**0.6674**	**1.0300e-003**		**0.0293**	**0.0293**		**0.0272**	**0.0272**	**0.0000**	**89.5258**	**89.5258**	**0.0250**	**0.0000**	**90.0499**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2500e-003	1.8500e-003	0.0172	5.0000e-005	4.0300e-003	3.0000e-005	4.0600e-003	1.0700e-003	2.0000e-005	1.0900e-003	0.0000	2.8064	2.8064	1.5000e-004	0.0000	2.8096
Total	**1.2500e-003**	**1.8500e-003**	**0.0172**	**5.0000e-005**	**4.0300e-003**	**3.0000e-005**	**4.0600e-003**	**1.0700e-003**	**2.0000e-005**	**1.0900e-003**	**0.0000**	**2.8064**	**2.8064**	**1.5000e-004**	**0.0000**	**2.8096**

3.5 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0599	0.4448	0.6674	1.0300e-003		0.0293	0.0293		0.0272	0.0272	0.0000	89.5257	89.5257	0.0250	0.0000	90.0498
Paving	9.9400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0698**	**0.4448**	**0.6674**	**1.0300e-003**		**0.0293**	**0.0293**		**0.0272**	**0.0272**	**0.0000**	**89.5257**	**89.5257**	**0.0250**	**0.0000**	**90.0498**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2500e-003	1.8500e-003	0.0172	5.0000e-005	4.0300e-003	3.0000e-005	4.0600e-003	1.0700e-003	2.0000e-005	1.0900e-003	0.0000	2.8064	2.8064	1.5000e-004	0.0000	2.8096
Total	**1.2500e-003**	**1.8500e-003**	**0.0172**	**5.0000e-005**	**4.0300e-003**	**3.0000e-005**	**4.0600e-003**	**1.0700e-003**	**2.0000e-005**	**1.0900e-003**	**0.0000**	**2.8064**	**2.8064**	**1.5000e-004**	**0.0000**	**2.8096**

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0743	0.6772	0.8730	1.3500e-003		0.0349	0.0349		0.0324	0.0324	0.0000	117.0731	117.0731	0.0326	0.0000	117.7578
Paving	0.0130					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0873**	**0.6772**	**0.8730**	**1.3500e-003**		**0.0349**	**0.0349**		**0.0324**	**0.0324**	**0.0000**	**117.0731**	**117.0731**	**0.0326**	**0.0000**	**117.7578**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.5800e-003	2.3600e-003	0.0220	6.0000e-005	5.2700e-003	4.0000e-005	5.3100e-003	1.4000e-003	3.0000e-005	1.4300e-003	0.0000	3.6701	3.6701	2.0000e-004	0.0000	3.6743
Total	**1.5800e-003**	**2.3600e-003**	**0.0220**	**6.0000e-005**	**5.2700e-003**	**4.0000e-005**	**5.3100e-003**	**1.4000e-003**	**3.0000e-005**	**1.4300e-003**	**0.0000**	**3.6701**	**3.6701**	**2.0000e-004**	**0.0000**	**3.6743**

3.5 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0743	0.5417	0.8730	1.3500e-003		0.0349	0.0349		0.0324	0.0324	0.0000	117.0729	117.0729	0.0326	0.0000	117.7576
Paving	0.0130					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0873**	**0.5417**	**0.8730**	**1.3500e-003**		**0.0349**	**0.0349**		**0.0324**	**0.0324**	**0.0000**	**117.0729**	**117.0729**	**0.0326**	**0.0000**	**117.7576**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.5800e-003	2.3600e-003	0.0220	6.0000e-005	5.2700e-003	4.0000e-005	5.3100e-003	1.4000e-003	3.0000e-005	1.4300e-003	0.0000	3.6701	3.6701	2.0000e-004	0.0000	3.6743
Total	**1.5800e-003**	**2.3600e-003**	**0.0220**	**6.0000e-005**	**5.2700e-003**	**4.0000e-005**	**5.3100e-003**	**1.4000e-003**	**3.0000e-005**	**1.4300e-003**	**0.0000**	**3.6701**	**3.6701**	**2.0000e-004**	**0.0000**	**3.6743**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.7981					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0155	0.1205	0.1963	3.2000e-004		5.0700e-003	5.0700e-003		5.0300e-003	5.0300e-003	0.0000	27.3160	27.3160	3.7200e-003	0.0000	27.3941
Total	**3.8136**	**0.1205**	**0.1963**	**3.2000e-004**		**5.0700e-003**	**5.0700e-003**		**5.0300e-003**	**5.0300e-003**	**0.0000**	**27.3160**	**27.3160**	**3.7200e-003**	**0.0000**	**27.3941**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0775	0.1154	1.0783	3.0200e-003	0.9292	1.7200e-003	0.9310	0.2333	1.6000e-003	0.2349	0.0000	179.6205	179.6205	9.8100e-003	0.0000	179.8266
Total	**0.0775**	**0.1154**	**1.0783**	**3.0200e-003**	**0.9292**	**1.7200e-003**	**0.9310**	**0.2333**	**1.6000e-003**	**0.2349**	**0.0000**	**179.6205**	**179.6205**	**9.8100e-003**	**0.0000**	**179.8266**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.7981					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0155	0.0964	0.1963	3.2000e-004		5.0700e-003	5.0700e-003		5.0300e-003	5.0300e-003	0.0000	27.3160	27.3160	3.7200e-003	0.0000	27.3941
Total	**3.8136**	**0.0964**	**0.1963**	**3.2000e-004**		**5.0700e-003**	**5.0700e-003**		**5.0300e-003**	**5.0300e-003**	**0.0000**	**27.3160**	**27.3160**	**3.7200e-003**	**0.0000**	**27.3941**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0775	0.1154	1.0783	3.0200e-003	0.9292	1.7200e-003	0.9310	0.2333	1.6000e-003	0.2349	0.0000	179.6205	179.6205	9.8100e-003	0.0000	179.8266
Total	**0.0775**	**0.1154**	**1.0783**	**3.0200e-003**	**0.9292**	**1.7200e-003**	**0.9310**	**0.2333**	**1.6000e-003**	**0.2349**	**0.0000**	**179.6205**	**179.6205**	**9.8100e-003**	**0.0000**	**179.8266**

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	5.1043	10.1961	54.2496	0.1118	7.1796	0.2124	7.3919	1.9179	0.1958	2.1137	0.0000	7,532.8522	7,532.8522	0.2794	0.0000	7,538.7194
Unmitigated	5.1043	10.1961	54.2496	0.1118	7.1796	0.2124	7.3919	1.9179	0.1958	2.1137	0.0000	7,532.8522	7,532.8522	0.2794	0.0000	7,538.7194

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	197.70	214.80	182.10	442,719	442,719
Junior College (2Yr)	12,060.00	4,221.00	402.00	15,167,506	15,167,506
Library	2,049.75	1,745.63	955.88	3,184,435	3,184,435
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	14,307.45	6,181.43	1,539.98	18,794,660	18,794,660

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
Apartments Low Rise	11.00	3.50	4.50	40.20	19.20	40.60	86	11	3
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1
Library	12.50	4.20	5.40	52.00	43.00	5.00	44	44	12
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Parking Lot	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.467876	0.065956	0.172405	0.161468	0.036746	0.005953	0.010744	0.069773	0.001331	0.001228	0.003449	0.000500	0.002571

5.0 Energy Detail

4.4 Fleet Mix

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	1,275.6163	1,275.6163	0.0586	0.0121	1,280.6084
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,275.6163	1,275.6163	0.0586	0.0121	1,280.6084
NaturalGas Mitigated	0.0383	0.3469	0.2836	2.0900e-003		0.0265	0.0265		0.0265	0.0265	0.0000	378.9759	378.9759	7.2600e-003	6.9500e-003	381.2823
NaturalGas Unmitigated	0.0383	0.3469	0.2836	2.0900e-003		0.0265	0.0265		0.0265	0.0265	0.0000	378.9759	378.9759	7.2600e-003	6.9500e-003	381.2823

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					
Apartments Low Rise	411666	2.2200e-003	0.0190	8.0700e-003	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.9681	21.9681	4.2000e-004	4.0000e-004	22.1018
Junior College (2Yr)	5.4417e+006	0.0293	0.2668	0.2241	1.6000e-003		0.0203	0.0203		0.0203	0.0203	0.0000	290.3898	290.3898	5.5700e-003	5.3200e-003	292.1571
Library	1.24838e+006	6.7300e-003	0.0612	0.0514	3.7000e-004		4.6500e-003	4.6500e-003		4.6500e-003	4.6500e-003	0.0000	66.6180	66.6180	1.2800e-003	1.2200e-003	67.0235
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0383**	**0.3469**	**0.2835**	**2.0900e-003**		**0.0265**	**0.0265**		**0.0265**	**0.0265**	**0.0000**	**378.9760**	**378.9760**	**7.2700e-003**	**6.9400e-003**	**381.2823**

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					
Junior College (2Yr)	5.4417e+006	0.0293	0.2668	0.2241	1.6000e-003		0.0203	0.0203		0.0203	0.0203	0.0000	290.3898	290.3898	5.5700e-003	5.3200e-003	292.1571
Library	1.24838e+006	6.7300e-003	0.0612	0.0514	3.7000e-004		4.6500e-003	4.6500e-003		4.6500e-003	4.6500e-003	0.0000	66.6180	66.6180	1.2800e-003	1.2200e-003	67.0235
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Low Rise	411666	2.2200e-003	0.0190	8.0700e-003	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.9681	21.9681	4.2000e-004	4.0000e-004	22.1018
Total		**0.0383**	**0.3469**	**0.2835**	**2.0900e-003**		**0.0265**	**0.0265**		**0.0265**	**0.0265**	**0.0000**	**378.9760**	**378.9760**	**7.2700e-003**	**6.9400e-003**	**381.2823**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	122335	35.0081	1.6100e-003	3.3000e-004	35.1451
Junior College (2Yr)	3.31364e+006	948.2541	0.0436	9.0200e-003	951.9651
Library	415125	118.7950	5.4600e-003	1.1300e-003	119.2599
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	606496	173.5591	7.9800e-003	1.6500e-003	174.2383
Total		**1,275.6163**	**0.0586**	**0.0121**	**1,280.6084**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	122335	35.0081	1.6100e-003	3.3000e-004	35.1451
Junior College (2Yr)	3.31364e+006	948.2541	0.0436	9.0200e-003	951.9651
Library	415125	118.7950	5.4600e-003	1.1300e-003	119.2599
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	606496	173.5591	7.9800e-003	1.6500e-003	174.2383
Total		**1,275.6163**	**0.0586**	**0.0121**	**1,280.6084**

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	5.3716	3.5400e-003	0.3311	2.0000e-005		4.9200e-003	4.9200e-003		4.8800e-003	4.8800e-003	0.0000	47.8339	47.8339	1.8000e-003	8.7000e-004	48.1404
Unmitigated	5.3716	3.5400e-003	0.3311	2.0000e-005		4.9200e-003	4.9200e-003		4.8800e-003	4.8800e-003	0.0000	47.8339	47.8339	1.8000e-003	8.7000e-004	48.1404

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	0.6330					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.7171					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	4.7800e-003	0.0000	2.6000e-004	0.0000		3.3000e-003	3.3000e-003		3.2600e-003	3.2600e-003	0.0000	47.2590	47.2590	9.1000e-004	8.7000e-004	47.5466
Landscaping	0.0167	3.5400e-003	0.3308	2.0000e-005		1.6200e-003	1.6200e-003		1.6200e-003	1.6200e-003	0.0000	0.5749	0.5749	9.0000e-004	0.0000	0.5938
Total	**5.3716**	**3.5400e-003**	**0.3311**	**2.0000e-005**		**4.9200e-003**	**4.9200e-003**		**4.8800e-003**	**4.8800e-003**	**0.0000**	**47.8339**	**47.8339**	**1.8100e-003**	**8.7000e-004**	**48.1404**

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	0.6330					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.7171					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	4.7800e-003	0.0000	2.6000e-004	0.0000		3.3000e-003	3.3000e-003		3.2600e-003	3.2600e-003	0.0000	47.2590	47.2590	9.1000e-004	8.7000e-004	47.5466
Landscaping	0.0167	3.5400e-003	0.3308	2.0000e-005		1.6200e-003	1.6200e-003		1.6200e-003	1.6200e-003	0.0000	0.5749	0.5749	9.0000e-004	0.0000	0.5938
Total	**5.3716**	**3.5400e-003**	**0.3311**	**2.0000e-005**		**4.9200e-003**	**4.9200e-003**		**4.8800e-003**	**4.8800e-003**	**0.0000**	**47.8339**	**47.8339**	**1.8100e-003**	**8.7000e-004**	**48.1404**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	216.4114	0.8125	0.0209	239.9586
Unmitigated	216.4114	0.8127	0.0210	239.9710

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	1.95462 / 1.23226	11.8211	0.0642	1.6100e-003	13.6687
Junior College (2Yr)	21.5181 / 33.6564	194.0112	0.7098	0.0183	214.6006
Library	1.17333 / 1.83521	10.5790	0.0387	1.0000e-003	11.7017
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**216.4114**	**0.8127**	**0.0210**	**239.9710**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	1.95462 / 1.23226	11.8211	0.0642	1.6100e-003	13.6677
Junior College (2Yr)	21.5181 / 33.6564	194.0112	0.7096	0.0183	214.5898
Library	1.17333 / 1.83521	10.5790	0.0387	1.0000e-003	11.7011
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**216.4114**	**0.8125**	**0.0209**	**239.9586**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	382.1224	22.5828	0.0000	856.3609
Unmitigated	382.1224	22.5828	0.0000	856.3609

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	13.8	2.8013	0.1656	0.0000	6.2778
Junior College (2Yr)	1834.13	372.3118	22.0030	0.0000	834.3748
Library	34.53	7.0093	0.4142	0.0000	15.7082
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**382.1224**	**22.5828**	**0.0000**	**856.3609**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	13.8	2.8013	0.1656	0.0000	6.2778
Junior College (2Yr)	1834.13	372.3118	22.0030	0.0000	834.3748
Library	34.53	7.0093	0.4142	0.0000	15.7082
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**382.1224**	**22.5828**	**0.0000**	**856.3609**

9.0 Operational Offroad

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

10.0 Vegetation

More Intense Alternative Buildout

Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	10,050.00	Student	6.99	374,000.00	0
Library	37.50	1000sqft	0.86	37,500.00	0
Other Asphalt Surfaces	2.00	Acre	2.00	87,120.00	0
Parking Lot	1,723.00	Space	15.51	689,200.00	0
Apartments Low Rise	30.00	Dwelling Unit	3.75	20,000.00	60

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)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Includes demolition of the existing mall and addition of a 30 unit dormitory. Assumes 25% increase of building SF and student headcount.

Construction Phase - Assumes a 8 year buildout for AQ analysis purposes (buildout at 2025). Actual development will likely occur gradually with full buildout closer to 2030.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT - Hauling trips based on demo estimate from Demo Unlimited Inc. plus the additional 33 trips for 500 tons of concrete debris.

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition - Demolition material assumptions based on info provided by Demo Unlimted Inc., assumes 650 loads (12 tons ea) const. mat. and 885 loads (15 tons ea) concrete. Additional 500 tons of concrete added for conservative measure.

Grading - Material import assumptions provided by MSA Consulting. Additional 10,000 import was provided for conservative measure.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Trip rate was adjusted to reflect results of Traffic Report. Library = 1,640 daily trips: [30 (1,000s) SF x 54.66]

Road Dust - All roads are paved.

Woodstoves - No woodstoves/fireplaces.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00

tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstructionPhase	NumDays	30.00	50.00
tblConstructionPhase	NumDays	45.00	60.00
tblConstructionPhase	NumDays	35.00	150.00
tblFireplaces	FireplaceWoodMass	457.60	0.00
tblFireplaces	NumberGas	30.00	60.00
tblGrading	AcresOfGrading	90.00	29.11
tblGrading	MaterialImported	0.00	40,000.00
tblLandUse	LandUseSquareFeet	438,704.98	374,000.00
tblLandUse	LandUseSquareFeet	30,000.00	20,000.00
tblLandUse	LotAcreage	10.07	6.99
tblLandUse	LotAcreage	1.88	3.75
tblLandUse	Population	97.00	60.00
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
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	UsageHours	8.00	6.00
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tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
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tblOffRoadEquipment	UsageHours	8.00	6.00
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tblOffRoadEquipment	UsageHours	8.00	6.00
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	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
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tblOnRoadDust	VendorPercentPave	50.00	100.00
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tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
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tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblRoadDust	RoadPercentPave	50	100
tblTripsAndVMT	HaulingTripNumber	2,133.00	1,568.00
tblTripsAndVMT	HaulingTripNumber	5,000.00	1,250.00
tblTripsAndVMT	WorkerTripNumber	33.00	15.00
tblTripsAndVMT	WorkerTripNumber	33.00	20.00
tblTripsAndVMT	WorkerTripNumber	28.00	15.00
tblVehicleTrips	WD_TR	56.24	54.66

tblWoodstoves	NumberCatalytic	1.50	3.00
tblWoodstoves	NumberNoncatalytic	1.50	3.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	10.3117	69.1619	88.8750	0.1393	10.2690	3.5207	13.3944	2.7028	3.3054	5.8167	0.0000	12,691.1691	12,691.1691	1.6584	0.0000	12,725.9947
2018	9.0331	60.3780	83.3688	0.1392	5.3119	2.9831	8.2950	1.4266	2.8027	4.2293	0.0000	12,417.4855	12,417.4855	1.6227	0.0000	12,451.5613
2019	8.1928	54.8817	79.5707	0.1391	5.3114	2.6450	7.9564	1.4264	2.4839	3.9103	0.0000	12,155.9782	12,155.9782	1.5925	0.0000	12,189.4211
2020	7.4463	49.6592	75.5867	0.1390	5.3110	2.3673	7.6783	1.4262	2.2219	3.6481	0.0000	11,850.1570	11,850.1570	1.5676	0.0000	11,883.0772
2021	6.8326	44.1481	73.1639	0.1390	5.3108	2.0633	7.3741	1.4261	1.9361	3.3623	0.0000	11,793.7913	11,793.7913	1.5494	0.0000	11,826.3279
2022	6.3325	39.2291	71.4320	0.1389	5.3107	1.8082	7.1189	1.4260	1.6966	3.1227	0.0000	11,739.6215	11,739.6215	1.5371	0.0000	11,771.8996
2023	5.9505	35.9989	69.6837	0.1388	5.3104	1.6301	6.9406	1.4260	1.5284	2.9544	0.0000	11,687.1982	11,687.1982	1.5227	0.0000	11,719.1742
2024	52.1042	15.9851	21.1193	0.0452	12.5555	0.8219	12.6461	3.1507	0.7642	3.2391	0.0000	3,133.4996	3,133.4996	0.8508	0.0000	3,151.3669
Total	**106.2038**	**369.4420**	**562.8000**	**1.0185**	**54.6907**	**17.8395**	**71.4037**	**14.4107**	**16.7393**	**30.2827**	**0.0000**	**87,468.9003**	**87,468.9003**	**11.9011**	**0.0000**	**87,718.8229**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	10.3117	58.3260	88.8750	0.1393	5.3124	3.5207	8.8331	1.4268	3.3054	4.7322	0.0000	12,691.1691	12,691.1691	1.6584	0.0000	12,725.9947
2018	9.0331	51.0322	83.3688	0.1392	5.3119	2.9831	8.2950	1.4266	2.8027	4.2293	0.0000	12,417.4855	12,417.4855	1.6227	0.0000	12,451.5613
2019	8.1928	46.4081	79.5707	0.1391	5.3114	2.6450	7.9564	1.4264	2.4839	3.9103	0.0000	12,155.9782	12,155.9782	1.5925	0.0000	12,189.4211
2020	7.4463	41.8983	75.5867	0.1390	5.3110	2.3673	7.6783	1.4262	2.2219	3.6481	0.0000	11,850.1570	11,850.1570	1.5676	0.0000	11,883.0772
2021	6.8326	37.1638	73.1639	0.1390	5.3108	2.0633	7.3741	1.4261	1.9361	3.3623	0.0000	11,793.7913	11,793.7913	1.5494	0.0000	11,826.3279
2022	6.3325	33.0682	71.4320	0.1389	5.3107	1.8082	7.1189	1.4260	1.6966	3.1227	0.0000	11,739.6214	11,739.6214	1.5371	0.0000	11,771.8996
2023	5.9505	30.3193	69.6837	0.1388	5.3104	1.6301	6.9406	1.4260	1.5284	2.9544	0.0000	11,687.1982	11,687.1982	1.5227	0.0000	11,719.1742
2024	52.1042	12.7985	21.1193	0.0452	12.5555	0.8219	12.6461	3.1507	0.7642	3.2391	0.0000	3,133.4996	3,133.4996	0.8508	0.0000	3,151.3669
Total	**106.2038**	**311.0144**	**562.8000**	**1.0185**	**49.7341**	**17.8395**	**66.8424**	**13.1347**	**16.7393**	**29.1982**	**0.0000**	**87,468.9002**	**87,468.9002**	**11.9011**	**0.0000**	**87,718.8229**

	ROG	NOx	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**	**15.82**	**0.00**	**0.00**	**9.06**	**0.00**	**6.39**	**8.85**	**0.00**	**3.58**	**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	29.6174	0.0394	3.6820	2.2000e-004		0.0985	0.0985		0.0976	0.0976	0.0000	1,277.6300	1,277.6300	0.0353	0.0233	1,285.5934
Energy	0.2098	1.9009	1.5537	0.0115		0.1450	0.1450		0.1450	0.1450		2,289.0382	2,289.0382	0.0439	0.0420	2,302.9689
Mobile	41.6054	67.5137	383.7996	0.7879	50.3997	1.4717	51.8714	13.4508	1.3567	14.8074		58,440.1364	58,440.1364	2.1360		58,484.9918
Total	**71.4327**	**69.4540**	**389.0353**	**0.7996**	**50.3997**	**1.7151**	**52.1148**	**13.4508**	**1.5992**	**15.0500**	**0.0000**	**62,006.8046**	**62,006.8046**	**2.2152**	**0.0653**	**62,073.5541**

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	29.6174	0.0394	3.6820	2.2000e-004		0.0985	0.0985		0.0976	0.0976	0.0000	1,277.6300	1,277.6300	0.0353	0.0233	1,285.5934
Energy	0.2098	1.9009	1.5537	0.0115		0.1450	0.1450		0.1450	0.1450		2,289.0382	2,289.0382	0.0439	0.0420	2,302.9689
Mobile	41.6054	67.5137	383.7996	0.7879	50.3997	1.4717	51.8714	13.4508	1.3567	14.8074		58,440.1364	58,440.1364	2.1360		58,484.9918
Total	**71.4327**	**69.4540**	**389.0353**	**0.7996**	**50.3997**	**1.7151**	**52.1148**	**13.4508**	**1.5992**	**15.0500**	**0.0000**	**62,006.8046**	**62,006.8046**	**2.2152**	**0.0653**	**62,073.5541**

	ROG	NOx	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	1/1/2017	3/10/2017	5	50	
2	Grading	Grading	3/11/2017	6/2/2017	5	60	
3	Building Construction	Building Construction	6/3/2017	9/29/2023	5	1650	
4	Paving	Paving	9/30/2023	4/26/2024	5	150	
5	Architectural Coating	Architectural Coating	4/27/2024	11/22/2024	5	150	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 29.11

Acres of Paving: 0

Residential Indoor: 40,500; Residential Outdoor: 13,500; Non-Residential Indoor: 778,944; Non-Residential Outdoor: 259,648 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40

Demolition	Rubber Tired Loaders	2	6.00	199	0.36
Demolition	Signal Boards	1	6.00	6	0.82
Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42
Grading	Plate Compactors	1	6.00	8	0.43
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45

Paving	Concrete/Industrial Saws	1	6.00	81	0.73
Paving	Graders	1	6.00	174	0.41
Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	1	6.00	6	0.82
Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	13	15.00	0.00	1,568.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	13	20.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	520.00	198.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	11	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	104.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	104.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	104.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	104.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.5944	0.0000	9.5944	1.4529	0.0000	1.4529			0.0000			0.0000
Off-Road	5.4701	58.2022	36.6142	0.0511		2.9725	2.9725		2.7540	2.7540		5,181.7649	5,181.7649	1.4831		5,212.9101
Total	**5.4701**	**58.2022**	**36.6142**	**0.0511**	**9.5944**	**2.9725**	**12.5669**	**1.4529**	**2.7540**	**4.2068**		**5,181.7649**	**5,181.7649**	**1.4831**		**5,212.9101**

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5201	6.2524	6.8836	0.0220	0.5491	0.1521	0.7012	0.1506	0.1399	0.2905		2,176.9982	2,176.9982	0.0119		2,177.2476
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0710	0.0763	0.8690	1.4600e-003	0.1255	8.0000e-004	0.1263	0.0333	7.4000e-004	0.0340		114.0590	114.0590	6.7100e-003		114.2000
Total	**0.5911**	**6.3287**	**7.7526**	**0.0234**	**0.6746**	**0.1529**	**0.8275**	**0.1839**	**0.1406**	**0.3245**		**2,291.0572**	**2,291.0572**	**0.0186**		**2,291.4476**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.7418	0.0000	3.7418	0.5666	0.0000	0.5666			0.0000			0.0000
Off-Road	5.4701	46.5617	36.6142	0.0511		2.9725	2.9725		2.7540	2.7540	0.0000	5,181.7649	5,181.7649	1.4831		5,212.9101
Total	**5.4701**	**46.5617**	**36.6142**	**0.0511**	**3.7418**	**2.9725**	**6.7143**	**0.5666**	**2.7540**	**3.3206**	**0.0000**	**5,181.7649**	**5,181.7649**	**1.4831**		**5,212.9101**

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5201	6.2524	6.8836	0.0220	0.5491	0.1521	0.7012	0.1506	0.1399	0.2905		2,176.9982	2,176.9982	0.0119		2,177.2476
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0710	0.0763	0.8690	1.4600e-003	0.1255	8.0000e-004	0.1263	0.0333	7.4000e-004	0.0340		114.0590	114.0590	6.7100e-003		114.2000
Total	**0.5911**	**6.3287**	**7.7526**	**0.0234**	**0.6746**	**0.1529**	**0.8275**	**0.1839**	**0.1406**	**0.3245**		**2,291.0572**	**2,291.0572**	**0.0186**		**2,291.4476**

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					5.1639	0.0000	5.1639	2.5583	0.0000	2.5583			0.0000			0.0000
Off-Road	5.7119	59.9930	38.6036	0.0500		3.2811	3.2811		3.0200	3.0200		5,092.1083	5,092.1083	1.5475		5,124.6054
Total	**5.7119**	**59.9930**	**38.6036**	**0.0500**	**5.1639**	**3.2811**	**8.4449**	**2.5583**	**3.0200**	**5.5783**		**5,092.1083**	**5,092.1083**	**1.5475**		**5,124.6054**

3.3 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3455	4.1537	4.5730	0.0146	0.3648	0.1011	0.4658	0.1000	0.0929	0.1930		1,446.2413	1,446.2413	7.8900e-003		1,446.4070
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0946	0.1017	1.1586	1.9500e-003	0.1673	1.0600e-003	0.1684	0.0444	9.8000e-004	0.0454		152.0786	152.0786	8.9500e-003		152.2666
Total	**0.4401**	**4.2554**	**5.7316**	**0.0165**	**0.5321**	**0.1021**	**0.6342**	**0.1444**	**0.0939**	**0.2383**		**1,598.3200**	**1,598.3200**	**0.0168**		**1,598.6737**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0139	0.0000	2.0139	0.9978	0.0000	0.9978			0.0000			0.0000
Off-Road	5.7119	47.9944	38.6036	0.0500		3.2811	3.2811		3.0200	3.0200	0.0000	5,092.1083	5,092.1083	1.5475		5,124.6054
Total	**5.7119**	**47.9944**	**38.6036**	**0.0500**	**2.0139**	**3.2811**	**5.2950**	**0.9978**	**3.0200**	**4.0178**	**0.0000**	**5,092.1083**	**5,092.1083**	**1.5475**		**5,124.6054**

3.3 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3455	4.1537	4.5730	0.0146	0.3648	0.1011	0.4658	0.1000	0.0929	0.1930		1,446.2413	1,446.2413	7.8900e-003		1,446.4070
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0946	0.1017	1.1586	1.9500e-003	0.1673	1.0600e-003	0.1684	0.0444	9.8000e-004	0.0454		152.0786	152.0786	8.9500e-003		152.2666
Total	**0.4401**	**4.2554**	**5.7316**	**0.0165**	**0.5321**	**0.1021**	**0.6342**	**0.1444**	**0.0939**	**0.2383**		**1,598.3200**	**1,598.3200**	**0.0168**		**1,598.6737**

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.0419	54.1797	35.7363	0.0561		3.2393	3.2393		3.0466	3.0466		5,547.5869	5,547.5869	1.4053		5,577.0987
Total	**6.0419**	**54.1797**	**35.7363**	**0.0561**		**3.2393**	**3.2393**		**3.0466**	**3.0466**		**5,547.5869**	**5,547.5869**	**1.4053**		**5,577.0987**

3.4 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.8097	12.3377	23.0147	0.0325	0.9617	0.2538	1.2155	0.2728	0.2333	0.5061		3,189.5375	3,189.5375	0.0203		3,189.9643
Worker	2.4601	2.6445	30.1240	0.0507	4.3507	0.0276	4.3783	1.1540	0.0255	1.1795		3,954.0447	3,954.0447	0.2327		3,958.9318
Total	**4.2699**	**14.9823**	**53.1387**	**0.0832**	**5.3124**	**0.2814**	**5.5938**	**1.4268**	**0.2588**	**1.6856**		**7,143.5822**	**7,143.5822**	**0.2530**		**7,148.8960**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.0419	43.3437	35.7363	0.0561		3.2393	3.2393		3.0466	3.0466	0.0000	5,547.5869	5,547.5869	1.4053		5,577.0987
Total	**6.0419**	**43.3437**	**35.7363**	**0.0561**		**3.2393**	**3.2393**		**3.0466**	**3.0466**	**0.0000**	**5,547.5869**	**5,547.5869**	**1.4053**		**5,577.0987**

3.4 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.8097	12.3377	23.0147	0.0325	0.9617	0.2538	1.2155	0.2728	0.2333	0.5061		3,189.5375	3,189.5375	0.0203		3,189.9643
Worker	2.4601	2.6445	30.1240	0.0507	4.3507	0.0276	4.3783	1.1540	0.0255	1.1795		3,954.0447	3,954.0447	0.2327		3,958.9318
Total	**4.2699**	**14.9823**	**53.1387**	**0.0832**	**5.3124**	**0.2814**	**5.5938**	**1.4268**	**0.2588**	**1.6856**		**7,143.5822**	**7,143.5822**	**0.2530**		**7,148.8960**

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1975	46.7291	34.7172	0.0561		2.7180	2.7180		2.5588	2.5588		5,483.4680	5,483.4680	1.3856		5,512.5659
Total	**5.1975**	**46.7291**	**34.7172**	**0.0561**		**2.7180**	**2.7180**		**2.5588**	**2.5588**		**5,483.4680**	**5,483.4680**	**1.3856**		**5,512.5659**

3.4 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.6117	11.2233	21.2749	0.0324	0.9612	0.2379	1.1991	0.2726	0.2188	0.4913		3,132.3640	3,132.3640	0.0199		3,132.7824
Worker	2.2239	2.4256	27.3767	0.0507	4.3507	0.0272	4.3779	1.1540	0.0252	1.1791		3,801.6536	3,801.6536	0.2171		3,806.2130
Total	**3.8357**	**13.6489**	**48.6516**	**0.0831**	**5.3119**	**0.2651**	**5.5770**	**1.4266**	**0.2439**	**1.6705**		**6,934.0175**	**6,934.0175**	**0.2371**		**6,938.9954**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1975	37.3833	34.7172	0.0561		2.7180	2.7180		2.5588	2.5588	0.0000	5,483.4680	5,483.4680	1.3856		5,512.5659
Total	**5.1975**	**37.3833**	**34.7172**	**0.0561**		**2.7180**	**2.7180**		**2.5588**	**2.5588**	**0.0000**	**5,483.4680**	**5,483.4680**	**1.3856**		**5,512.5659**

3.4 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.6117	11.2233	21.2749	0.0324	0.9612	0.2379	1.1991	0.2726	0.2188	0.4913		3,132.3640	3,132.3640	0.0199		3,132.7824
Worker	2.2239	2.4256	27.3767	0.0507	4.3507	0.0272	4.3779	1.1540	0.0252	1.1791		3,801.6536	3,801.6536	0.2171		3,806.2130
Total	**3.8357**	**13.6489**	**48.6516**	**0.0831**	**5.3119**	**0.2651**	**5.5770**	**1.4266**	**0.2439**	**1.6705**		**6,934.0175**	**6,934.0175**	**0.2371**		**6,938.9954**

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6769	42.3678	34.2182	0.0561		2.3969	2.3969		2.2555	2.2555		5,420.3343	5,420.3343	1.3678		5,449.0575
Total	**4.6769**	**42.3678**	**34.2182**	**0.0561**		**2.3969**	**2.3969**		**2.2555**	**2.2555**		**5,420.3343**	**5,420.3343**	**1.3678**		**5,449.0575**

3.4 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.4750	10.2725	20.0408	0.0323	0.9608	0.2209	1.1817	0.2724	0.2032	0.4756		3,076.4492	3,076.4492	0.0195		3,076.8595
Worker	2.0408	2.2414	25.3116	0.0507	4.3507	0.0272	4.3779	1.1540	0.0252	1.1792		3,659.1947	3,659.1947	0.2052		3,663.5042
Total	**3.5159**	**12.5139**	**45.3525**	**0.0830**	**5.3114**	**0.2481**	**5.5596**	**1.4264**	**0.2284**	**1.6548**		**6,735.6439**	**6,735.6439**	**0.2248**		**6,740.3637**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6769	33.8942	34.2182	0.0561		2.3969	2.3969		2.2555	2.2555	0.0000	5,420.3343	5,420.3343	1.3678		5,449.0575
Total	**4.6769**	**33.8942**	**34.2182**	**0.0561**		**2.3969**	**2.3969**		**2.2555**	**2.2555**	**0.0000**	**5,420.3343**	**5,420.3343**	**1.3678**		**5,449.0575**

3.4 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.4750	10.2725	20.0408	0.0323	0.9608	0.2209	1.1817	0.2724	0.2032	0.4756		3,076.4492	3,076.4492	0.0195		3,076.8595
Worker	2.0408	2.2414	25.3116	0.0507	4.3507	0.0272	4.3779	1.1540	0.0252	1.1792		3,659.1947	3,659.1947	0.2052		3,663.5042
Total	**3.5159**	**12.5139**	**45.3525**	**0.0830**	**5.3114**	**0.2481**	**5.5596**	**1.4264**	**0.2284**	**1.6548**		**6,735.6439**	**6,735.6439**	**0.2248**		**6,740.3637**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2890	38.8043	33.8459	0.0561		2.1414	2.1414		2.0139	2.0139		5,335.8439	5,335.8439	1.3533		5,364.2631
Total	**4.2890**	**38.8043**	**33.8459**	**0.0561**		**2.1414**	**2.1414**		**2.0139**	**2.0139**		**5,335.8439**	**5,335.8439**	**1.3533**		**5,364.2631**

3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2590	8.7554	18.0914	0.0322	0.9603	0.1986	1.1589	0.2722	0.1827	0.4549		3,003.4796	3,003.4796	0.0188		3,003.8738
Worker	1.8983	2.0996	23.6495	0.0506	4.3507	0.0273	4.3780	1.1540	0.0253	1.1793		3,510.8335	3,510.8335	0.1956		3,514.9403
Total	**3.1573**	**10.8549**	**41.7408**	**0.0828**	**5.3110**	**0.2259**	**5.5369**	**1.4262**	**0.2080**	**1.6342**		**6,514.3131**	**6,514.3131**	**0.2143**		**6,518.8141**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2890	31.0434	33.8459	0.0561		2.1414	2.1414		2.0139	2.0139	0.0000	5,335.8439	5,335.8439	1.3533		5,364.2631
Total	**4.2890**	**31.0434**	**33.8459**	**0.0561**		**2.1414**	**2.1414**		**2.0139**	**2.0139**	**0.0000**	**5,335.8439**	**5,335.8439**	**1.3533**		**5,364.2631**

3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2590	8.7554	18.0914	0.0322	0.9603	0.1986	1.1589	0.2722	0.1827	0.4549		3,003.4796	3,003.4796	0.0188		3,003.8738
Worker	1.8983	2.0996	23.6495	0.0506	4.3507	0.0273	4.3780	1.1540	0.0253	1.1793		3,510.8335	3,510.8335	0.1956		3,514.9403
Total	**3.1573**	**10.8549**	**41.7408**	**0.0828**	**5.3110**	**0.2259**	**5.5369**	**1.4262**	**0.2080**	**1.6342**		**6,514.3131**	**6,514.3131**	**0.2143**		**6,518.8141**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8712	34.9212	33.4769	0.0561		1.8627	1.8627		1.7514	1.7514		5,335.4696	5,335.4696	1.3404		5,363.6181
Total	**3.8712**	**34.9212**	**33.4769**	**0.0561**		**1.8627**	**1.8627**		**1.7514**	**1.7514**		**5,335.4696**	**5,335.4696**	**1.3404**		**5,363.6181**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1691	7.2351	17.1800	0.0321	0.9602	0.1730	1.1331	0.2721	0.1591	0.4313		2,999.3465	2,999.3465	0.0189		2,999.7439
Worker	1.7923	1.9918	22.5070	0.0507	4.3507	0.0276	4.3783	1.1540	0.0256	1.1796		3,458.9753	3,458.9753	0.1900		3,462.9659
Total	**2.9614**	**9.2269**	**39.6870**	**0.0828**	**5.3108**	**0.2006**	**5.5114**	**1.4261**	**0.1847**	**1.6109**		**6,458.3217**	**6,458.3217**	**0.2090**		**6,462.7098**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8712	27.9370	33.4769	0.0561		1.8627	1.8627		1.7514	1.7514	0.0000	5,335.4696	5,335.4696	1.3404		5,363.6181
Total	**3.8712**	**27.9370**	**33.4769**	**0.0561**		**1.8627**	**1.8627**		**1.7514**	**1.7514**	**0.0000**	**5,335.4696**	**5,335.4696**	**1.3404**		**5,363.6181**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1691	7.2351	17.1800	0.0321	0.9602	0.1730	1.1331	0.2721	0.1591	0.4313		2,999.3465	2,999.3465	0.0189		2,999.7439
Worker	1.7923	1.9918	22.5070	0.0507	4.3507	0.0276	4.3783	1.1540	0.0256	1.1796		3,458.9753	3,458.9753	0.1900		3,462.9659
Total	**2.9614**	**9.2269**	**39.6870**	**0.0828**	**5.3108**	**0.2006**	**5.5114**	**1.4261**	**0.1847**	**1.6109**		**6,458.3217**	**6,458.3217**	**0.2090**		**6,462.7098**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4938	30.8046	33.1368	0.0561		1.6103	1.6103		1.5143	1.5143		5,335.9879	5,335.9879	1.3331		5,363.9827
Total	**3.4938**	**30.8046**	**33.1368**	**0.0561**		**1.6103**	**1.6103**		**1.5143**	**1.5143**		**5,335.9879**	**5,335.9879**	**1.3331**		**5,363.9827**

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1353	6.5131	16.8745	0.0321	0.9600	0.1702	1.1302	0.2721	0.1566	0.4286		2,995.5388	2,995.5388	0.0193		2,995.9434
Worker	1.7035	1.9114	21.4207	0.0507	4.3507	0.0277	4.3784	1.1540	0.0257	1.1797		3,408.0948	3,408.0948	0.1847		3,411.9735
Total	**2.8388**	**8.4245**	**38.2952**	**0.0828**	**5.3107**	**0.1979**	**5.5086**	**1.4260**	**0.1823**	**1.6084**		**6,403.6336**	**6,403.6336**	**0.2040**		**6,407.9169**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4938	24.6437	33.1368	0.0561		1.6103	1.6103		1.5143	1.5143	0.0000	5,335.9878	5,335.9878	1.3331		5,363.9827
Total	**3.4938**	**24.6437**	**33.1368**	**0.0561**		**1.6103**	**1.6103**		**1.5143**	**1.5143**	**0.0000**	**5,335.9878**	**5,335.9878**	**1.3331**		**5,363.9827**

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1353	6.5131	16.8745	0.0321	0.9600	0.1702	1.1302	0.2721	0.1566	0.4286		2,995.5388	2,995.5388	0.0193		2,995.9434
Worker	1.7035	1.9114	21.4207	0.0507	4.3507	0.0277	4.3784	1.1540	0.0257	1.1797		3,408.0948	3,408.0948	0.1847		3,411.9735
Total	**2.8388**	**8.4245**	**38.2952**	**0.0828**	**5.3107**	**0.1979**	**5.5086**	**1.4260**	**0.1823**	**1.6084**		**6,403.6336**	**6,403.6336**	**0.2040**		**6,407.9169**

3.4 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	3.2647	28.3981	32.9798	0.0561		1.4389	1.4389		1.3523	1.3523		5,336.2173	5,336.2173	1.3244		5,364.0297
Total	**3.2647**	**28.3981**	**32.9798**	**0.0561**		**1.4389**	**1.4389**		**1.3523**	**1.3523**		**5,336.2173**	**5,336.2173**	**1.3244**		**5,364.0297**

3.4 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	1.0608	5.7565	16.2494	0.0320	0.9598	0.1634	1.1232	0.2720	0.1504	0.4223		2,988.0825	2,988.0825	0.0181		2,988.4628
Worker	1.6250	1.8444	20.4545	0.0507	4.3507	0.0278	4.3785	1.1540	0.0258	1.1798		3,362.8984	3,362.8984	0.1802		3,366.6817
Total	**2.6859**	**7.6009**	**36.7039**	**0.0827**	**5.3104**	**0.1913**	**5.5017**	**1.4260**	**0.1762**	**1.6021**		**6,350.9808**	**6,350.9808**	**0.1983**		**6,355.1445**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2647	22.7185	32.9798	0.0561		1.4389	1.4389		1.3523	1.3523	0.0000	5,336.2173	5,336.2173	1.3244		5,364.0297
Total	**3.2647**	**22.7185**	**32.9798**	**0.0561**		**1.4389**	**1.4389**		**1.3523**	**1.3523**	**0.0000**	**5,336.2173**	**5,336.2173**	**1.3244**		**5,364.0297**

3.4 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	1.0608	5.7565	16.2494	0.0320	0.9598	0.1634	1.1232	0.2720	0.1504	0.4223		2,988.0825	2,988.0825	0.0181		2,988.4628
Worker	1.6250	1.8444	20.4545	0.0507	4.3507	0.0278	4.3785	1.1540	0.0258	1.1798		3,362.8984	3,362.8984	0.1802		3,366.6817
Total	**2.6859**	**7.6009**	**36.7039**	**0.0827**	**5.3104**	**0.1913**	**5.5017**	**1.4260**	**0.1762**	**1.6021**		**6,350.9808**	**6,350.9808**	**0.1983**		**6,355.1445**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8425	17.1072	20.5363	0.0317		0.9012	0.9012		0.8382	0.8382		3,036.4718	3,036.4718	0.8464		3,054.2461
Paving	0.3058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1483**	**17.1072**	**20.5363**	**0.0317**		**0.9012**	**0.9012**		**0.8382**	**0.8382**		**3,036.4718**	**3,036.4718**	**0.8464**		**3,054.2461**

3.5 Paving - 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	0.0469	0.0532	0.5900	1.4600e-003	0.1255	8.0000e-004	0.1263	0.0333	7.5000e-004	0.0340		97.0067	97.0067	5.2000e-003		97.1158
Total	**0.0469**	**0.0532**	**0.5900**	**1.4600e-003**	**0.1255**	**8.0000e-004**	**0.1263**	**0.0333**	**7.5000e-004**	**0.0340**		**97.0067**	**97.0067**	**5.2000e-003**		**97.1158**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8425	13.6858	20.5363	0.0317		0.9012	0.9012		0.8382	0.8382	0.0000	3,036.4718	3,036.4718	0.8464		3,054.2461
Paving	0.3058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1483**	**13.6858**	**20.5363**	**0.0317**		**0.9012**	**0.9012**		**0.8382**	**0.8382**	**0.0000**	**3,036.4718**	**3,036.4718**	**0.8464**		**3,054.2461**

3.5 Paving - 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	0.0469	0.0532	0.5900	1.4600e-003	0.1255	8.0000e-004	0.1263	0.0333	7.5000e-004	0.0340		97.0067	97.0067	5.2000e-003		97.1158
Total	**0.0469**	**0.0532**	**0.5900**	**1.4600e-003**	**0.1255**	**8.0000e-004**	**0.1263**	**0.0333**	**7.5000e-004**	**0.0340**		**97.0067**	**97.0067**	**5.2000e-003**		**97.1158**

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7481	15.9333	20.5420	0.0317		0.8210	0.8210		0.7634	0.7634		3,036.4936	3,036.4936	0.8456		3,054.2517
Paving	0.3058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0539**	**15.9333**	**20.5420**	**0.0317**		**0.8210**	**0.8210**		**0.7634**	**0.7634**		**3,036.4936**	**3,036.4936**	**0.8456**		**3,054.2517**

3.5 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0453	0.0518	0.5772	1.4800e-003	0.1255	8.3000e-004	0.1263	0.0333	7.7000e-004	0.0341		97.0060	97.0060	5.2000e-003		97.1152
Total	**0.0453**	**0.0518**	**0.5772**	**1.4800e-003**	**0.1255**	**8.3000e-004**	**0.1263**	**0.0333**	**7.7000e-004**	**0.0341**		**97.0060**	**97.0060**	**5.2000e-003**		**97.1152**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7481	12.7466	20.5420	0.0317		0.8210	0.8210		0.7634	0.7634	0.0000	3,036.4936	3,036.4936	0.8456		3,054.2517
Paving	0.3058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0539**	**12.7466**	**20.5420**	**0.0317**		**0.8210**	**0.8210**		**0.7634**	**0.7634**	**0.0000**	**3,036.4936**	**3,036.4936**	**0.8456**		**3,054.2517**

3.5 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0453	0.0518	0.5772	1.4800e-003	0.1255	8.3000e-004	0.1263	0.0333	7.7000e-004	0.0341		97.0060	97.0060	5.2000e-003		97.1152
Total	**0.0453**	**0.0518**	**0.5772**	**1.4800e-003**	**0.1255**	**8.3000e-004**	**0.1263**	**0.0333**	**7.7000e-004**	**0.0341**		**97.0060**	**97.0060**	**5.2000e-003**		**97.1152**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	50.6416					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2063	1.6073	2.6167	4.2100e-003		0.0677	0.0677		0.0671	0.0671		401.4770	401.4770	0.0547		402.6250
Total	**50.8480**	**1.6073**	**2.6167**	**4.2100e-003**		**0.0677**	**0.0677**		**0.0671**	**0.0671**		**401.4770**	**401.4770**	**0.0547**		**402.6250**

3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.2562	1.4376	16.0086	0.0410	12.5555	0.0230	12.5785	3.1507	0.0213	3.1720		2,690.2991	2,690.2991	0.1443		2,693.3283
Total	**1.2562**	**1.4376**	**16.0086**	**0.0410**	**12.5555**	**0.0230**	**12.5785**	**3.1507**	**0.0213**	**3.1720**		**2,690.2991**	**2,690.2991**	**0.1443**		**2,693.3283**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	50.6416					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2063	1.2858	2.6167	4.2100e-003		0.0677	0.0677		0.0671	0.0671	0.0000	401.4770	401.4770	0.0547		402.6250
Total	**50.8480**	**1.2858**	**2.6167**	**4.2100e-003**		**0.0677**	**0.0677**		**0.0671**	**0.0671**	**0.0000**	**401.4770**	**401.4770**	**0.0547**		**402.6250**

3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.2562	1.4376	16.0086	0.0410	12.5555	0.0230	12.5785	3.1507	0.0213	3.1720		2,690.2991	2,690.2991	0.1443		2,693.3283
Total	**1.2562**	**1.4376**	**16.0086**	**0.0410**	**12.5555**	**0.0230**	**12.5785**	**3.1507**	**0.0213**	**3.1720**		**2,690.2991**	**2,690.2991**	**0.1443**		**2,693.3283**

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	41.6054	67.5137	383.7996	0.7879	50.3997	1.4717	51.8714	13.4508	1.3567	14.8074		58,440.1364	58,440.1364	2.1360		58,484.9918
Unmitigated	41.6054	67.5137	383.7996	0.7879	50.3997	1.4717	51.8714	13.4508	1.3567	14.8074		58,440.1364	58,440.1364	2.1360		58,484.9918

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	197.70	214.80	182.10	442,719	442,719
Junior College (2Yr)	12,060.00	4,221.00	402.00	15,167,506	15,167,506
Library	2,049.75	1,745.63	955.88	3,184,435	3,184,435
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	14,307.45	6,181.43	1,539.98	18,794,660	18,794,660

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
Apartments Low Rise	11.00	3.50	4.50	40.20	19.20	40.60	86	11	3
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1
Library	12.50	4.20	5.40	52.00	43.00	5.00	44	44	12
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Parking Lot	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.467876	0.065956	0.172405	0.161468	0.036746	0.005953	0.010744	0.069773	0.001331	0.001228	0.003449	0.000500	0.002571

5.0 Energy Detail

4.4 Fleet Mix

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	0.2098	1.9009	1.5537	0.0115		0.1450	0.1450		0.1450	0.1450		2,289.0382	2,289.0382	0.0439	0.0420	2,302.9689
NaturalGas Unmitigated	0.2098	1.9009	1.5537	0.0115		0.1450	0.1450		0.1450	0.1450		2,289.0382	2,289.0382	0.0439	0.0420	2,302.9689

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					
Junior College (2Yr)	14908.8	0.1608	1.4616	1.2278	8.7700e-003		0.1111	0.1111		0.1111	0.1111		1,753.9726	1,753.9726	0.0336	0.0322	1,764.6470
Library	3420.21	0.0369	0.3353	0.2817	2.0100e-003		0.0255	0.0255		0.0255	0.0255		402.3771	402.3771	7.7100e-003	7.3800e-003	404.8259
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Low Rise	1127.85	0.0122	0.1039	0.0442	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.6885	132.6885	2.5400e-003	2.4300e-003	133.4960
Total		**0.2098**	**1.9009**	**1.5537**	**0.0114**		**0.1450**	**0.1450**		**0.1450**	**0.1450**		**2,289.0382**	**2,289.0382**	**0.0439**	**0.0420**	**2,302.9689**

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					
Junior College (2Yr)	14.9088	0.1608	1.4616	1.2278	8.7700e-003		0.1111	0.1111		0.1111	0.1111		1,753.9726	1,753.9726	0.0336	0.0322	1,764.6470
Library	3.42021	0.0369	0.3353	0.2817	2.0100e-003		0.0255	0.0255		0.0255	0.0255		402.3771	402.3771	7.7100e-003	7.3800e-003	404.8259
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Low Rise	1.12785	0.0122	0.1039	0.0442	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.6885	132.6885	2.5400e-003	2.4300e-003	133.4960
Total		**0.2098**	**1.9009**	**1.5537**	**0.0114**		**0.1450**	**0.1450**		**0.1450**	**0.1450**		**2,289.0382**	**2,289.0382**	**0.0439**	**0.0420**	**2,302.9689**

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	29.6174	0.0394	3.6820	2.2000e-004		0.0985	0.0985		0.0976	0.0976	0.0000	1,277.6300	1,277.6300	0.0353	0.0233	1,285.5934
Unmitigated	29.6174	0.0394	3.6820	2.2000e-004		0.0985	0.0985		0.0976	0.0976	0.0000	1,277.6300	1,277.6300	0.0353	0.0233	1,285.5934

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.4686					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.8474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1165	1.0000e-005	6.3500e-003	0.0000		0.0805	0.0805		0.0796	0.0796	0.0000	1,270.5882	1,270.5882	0.0244	0.0233	1,278.3208
Landscaping	0.1850	0.0394	3.6756	2.2000e-004		0.0180	0.0180		0.0180	0.0180		7.0418	7.0418	0.0110		7.2726
Total	**29.6174**	**0.0394**	**3.6820**	**2.2000e-004**		**0.0985**	**0.0985**		**0.0976**	**0.0976**	**0.0000**	**1,277.6300**	**1,277.6300**	**0.0353**	**0.0233**	**1,285.5934**

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	3.4686					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.8474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1165	1.0000e-005	6.3500e-003	0.0000		0.0805	0.0805		0.0796	0.0796	0.0000	1,270.5882	1,270.5882	0.0244	0.0233	1,278.3208
Landscaping	0.1850	0.0394	3.6756	2.2000e-004		0.0180	0.0180		0.0180	0.0180		7.0418	7.0418	0.0110		7.2726
Total	**29.6174**	**0.0394**	**3.6820**	**2.2000e-004**		**0.0985**	**0.0985**		**0.0976**	**0.0976**	**0.0000**	**1,277.6300**	**1,277.6300**	**0.0353**	**0.0233**	**1,285.5934**

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 Vegetation

More Intense Alternative Buildout

Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	10,050.00	Student	6.99	374,000.00	0
Library	37.50	1000sqft	0.86	37,500.00	0
Other Asphalt Surfaces	2.00	Acre	2.00	87,120.00	0
Parking Lot	1,723.00	Space	15.51	689,200.00	0
Apartments Low Rise	30.00	Dwelling Unit	3.75	20,000.00	60

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)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Includes demolition of the existing mall and addition of a 30 unit dormitory. Assumes 25% increase of building SF and student headcount.

Construction Phase - Assumes a 8 year buildout for AQ analysis purposes (buildout at 2025). Actual development will likely occur gradually with full buildout closer to 2030.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT - Hauling trips based on demo estimate from Demo Unlimited Inc. plus the additional 33 trips for 500 tons of concrete debris.

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition - Demolition material assumptions based on info provided by Demo Unlimted Inc., assumes 650 loads (12 tons ea) const. mat. and 885 loads (15 tons ea) concrete. Additional 500 tons of concrete added for conservative measure.

Grading - Material import assumptions provided by MSA Consulting. Additional 10,000 import was provided for conservative measure.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Trip rate was adjusted to reflect results of Traffic Report. Library = 1,640 daily trips: [30 (1,000s) SF x 54.66]

Road Dust - All roads are paved.

Woodstoves - No woodstoves/fireplaces.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00

tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstructionPhase	NumDays	35.00	150.00
tblConstructionPhase	NumDays	440.00	1,650.00
tblConstructionPhase	NumDays	30.00	50.00
tblConstructionPhase	NumDays	45.00	60.00
tblConstructionPhase	NumDays	35.00	150.00
tblFireplaces	FireplaceWoodMass	457.60	0.00
tblFireplaces	NumberGas	30.00	60.00
tblGrading	AcresOfGrading	90.00	29.11
tblGrading	MaterialImported	0.00	40,000.00
tblLandUse	LandUseSquareFeet	438,704.98	374,000.00
tblLandUse	LandUseSquareFeet	30,000.00	20,000.00
tblLandUse	LotAcreage	10.07	6.99
tblLandUse	LotAcreage	1.88	3.75
tblLandUse	Population	97.00	60.00
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	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
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tblOnRoadDust	HaulingPercentPave	50.00	100.00
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tblOnRoadDust	HaulingPercentPave	50.00	100.00
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tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
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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	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
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tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblRoadDust	RoadPercentPave	50	100
tblTripsAndVMT	HaulingTripNumber	2,133.00	1,568.00
tblTripsAndVMT	HaulingTripNumber	5,000.00	1,250.00
tblTripsAndVMT	WorkerTripNumber	33.00	15.00
tblTripsAndVMT	WorkerTripNumber	33.00	20.00
tblTripsAndVMT	WorkerTripNumber	28.00	15.00
tblVehicleTrips	WD_TR	56.24	54.66

tblWoodstoves	NumberCatalytic	1.50	3.00
tblWoodstoves	NumberNoncatalytic	1.50	3.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	9.8904	70.1690	89.6444	0.1353	10.2690	3.5241	13.3947	2.7028	3.3086	5.8169	0.0000	12,368.5795	12,368.5795	1.6594	0.0000	12,403.4261
2018	8.6412	61.2735	84.6614	0.1352	5.3119	2.9862	8.2981	1.4266	2.8056	4.2321	0.0000	12,105.9973	12,105.9973	1.6237	0.0000	12,140.0944
2019	7.8304	55.6833	81.1781	0.1350	5.3114	2.6478	7.9592	1.4264	2.4865	3.9129	0.0000	11,854.8721	11,854.8721	1.5936	0.0000	11,888.3367
2020	7.1023	50.3404	77.6786	0.1349	5.3110	2.3696	7.6806	1.4262	2.2240	3.6502	0.0000	11,560.0973	11,560.0973	1.5687	0.0000	11,593.0395
2021	6.5107	44.7302	75.4733	0.1349	5.3108	2.0653	7.3761	1.4261	1.9380	3.3641	0.0000	11,507.5304	11,507.5304	1.5505	0.0000	11,540.0899
2022	6.0336	39.7618	73.8058	0.1349	5.3107	1.8101	7.1208	1.4260	1.6984	3.1244	0.0000	11,456.9581	11,456.9581	1.5382	0.0000	11,489.2597
2023	5.6678	36.4639	71.9576	0.1348	5.3104	1.6315	6.9419	1.4260	1.5297	2.9556	0.0000	11,407.5835	11,407.5835	1.5238	0.0000	11,439.5826
2024	51.8059	15.9904	21.0147	0.0422	12.5555	0.8219	12.6461	3.1507	0.7642	3.2391	0.0000	3,126.4134	3,126.4134	0.8508	0.0000	3,144.2807
Total	**103.4822**	**374.4126**	**575.4139**	**0.9872**	**54.6907**	**17.8565**	**71.4175**	**14.4107**	**16.7549**	**30.2953**	**0.0000**	**85,388.0315**	**85,388.0315**	**11.9085**	**0.0000**	**85,638.1095**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	9.8904	59.3331	89.6444	0.1353	5.3124	3.5241	8.8365	1.4268	3.3086	4.7353	0.0000	12,368.5795	12,368.5795	1.6594	0.0000	12,403.4260
2018	8.6412	51.9277	84.6614	0.1352	5.3119	2.9862	8.2981	1.4266	2.8056	4.2321	0.0000	12,105.9973	12,105.9973	1.6237	0.0000	12,140.0944
2019	7.8304	47.2097	81.1781	0.1350	5.3114	2.6478	7.9592	1.4264	2.4865	3.9129	0.0000	11,854.8721	11,854.8721	1.5936	0.0000	11,888.3367
2020	7.1023	42.5796	77.6786	0.1349	5.3110	2.3696	7.6806	1.4262	2.2240	3.6502	0.0000	11,560.0973	11,560.0973	1.5687	0.0000	11,593.0395
2021	6.5107	37.7460	75.4733	0.1349	5.3108	2.0653	7.3761	1.4261	1.9380	3.3641	0.0000	11,507.5304	11,507.5304	1.5505	0.0000	11,540.0898
2022	6.0336	33.6009	73.8058	0.1349	5.3107	1.8101	7.1208	1.4260	1.6984	3.1244	0.0000	11,456.9581	11,456.9581	1.5382	0.0000	11,489.2597
2023	5.6678	30.7843	71.9576	0.1348	5.3104	1.6315	6.9419	1.4260	1.5297	2.9556	0.0000	11,407.5835	11,407.5835	1.5238	0.0000	11,439.5826
2024	51.8059	12.8038	21.0147	0.0422	12.5555	0.8219	12.6461	3.1507	0.7642	3.2391	0.0000	3,126.4134	3,126.4134	0.8508	0.0000	3,144.2807
Total	**103.4822**	**315.9850**	**575.4139**	**0.9872**	**49.7341**	**17.8565**	**66.8593**	**13.1347**	**16.7549**	**29.2138**	**0.0000**	**85,388.0314**	**85,388.0314**	**11.9085**	**0.0000**	**85,638.1095**

	ROG	NOx	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**	**15.61**	**0.00**	**0.00**	**9.06**	**0.00**	**6.38**	**8.85**	**0.00**	**3.57**	**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	29.6174	0.0394	3.6820	2.2000e-004		0.0985	0.0985		0.0976	0.0976	0.0000	1,277.6300	1,277.6300	0.0353	0.0233	1,285.5934
Energy	0.2098	1.9009	1.5537	0.0115		0.1450	0.1450		0.1450	0.1450		2,289.0382	2,289.0382	0.0439	0.0420	2,302.9689
Mobile	34.3172	72.2980	405.8060	0.7465	50.3997	1.4803	51.8800	13.4508	1.3646	14.8153		55,603.1105	55,603.1105	2.1452		55,648.1587
Total	**64.1444**	**74.2383**	**411.0417**	**0.7582**	**50.3997**	**1.7237**	**52.1234**	**13.4508**	**1.6072**	**15.0579**	**0.0000**	**59,169.7787**	**59,169.7787**	**2.2244**	**0.0653**	**59,236.7210**

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	29.6174	0.0394	3.6820	2.2000e-004		0.0985	0.0985		0.0976	0.0976	0.0000	1,277.6300	1,277.6300	0.0353	0.0233	1,285.5934
Energy	0.2098	1.9009	1.5537	0.0115		0.1450	0.1450		0.1450	0.1450		2,289.0382	2,289.0382	0.0439	0.0420	2,302.9689
Mobile	34.3172	72.2980	405.8060	0.7465	50.3997	1.4803	51.8800	13.4508	1.3646	14.8153		55,603.1105	55,603.1105	2.1452		55,648.1587
Total	**64.1444**	**74.2383**	**411.0417**	**0.7582**	**50.3997**	**1.7237**	**52.1234**	**13.4508**	**1.6072**	**15.0579**	**0.0000**	**59,169.7787**	**59,169.7787**	**2.2244**	**0.0653**	**59,236.7210**

	ROG	NOx	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	1/1/2017	3/10/2017	5	50	
2	Grading	Grading	3/11/2017	6/2/2017	5	60	
3	Building Construction	Building Construction	6/3/2017	9/29/2023	5	1650	
4	Paving	Paving	9/30/2023	4/26/2024	5	150	
5	Architectural Coating	Architectural Coating	4/27/2024	11/22/2024	5	150	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 29.11

Acres of Paving: 0

Residential Indoor: 40,500; Residential Outdoor: 13,500; Non-Residential Indoor: 778,944; Non-Residential Outdoor: 259,648 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40

Demolition	Rubber Tired Loaders	2	6.00	199	0.36
Demolition	Signal Boards	1	6.00	6	0.82
Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42
Grading	Plate Compactors	1	6.00	8	0.43
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45

Paving	Concrete/Industrial Saws	1	6.00	81	0.73
Paving	Graders	1	6.00	174	0.41
Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	1	6.00	6	0.82
Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	13	15.00	0.00	1,568.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	13	20.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	520.00	198.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	11	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	104.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	104.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	104.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	104.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.5944	0.0000	9.5944	1.4529	0.0000	1.4529			0.0000			0.0000
Off-Road	5.4701	58.2022	36.6142	0.0511		2.9725	2.9725		2.7540	2.7540		5,181.7649	5,181.7649	1.4831		5,212.9101
Total	**5.4701**	**58.2022**	**36.6142**	**0.0511**	**9.5944**	**2.9725**	**12.5669**	**1.4529**	**2.7540**	**4.2068**		**5,181.7649**	**5,181.7649**	**1.4831**		**5,212.9101**

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5653	6.7516	8.2630	0.0219	0.5491	0.1524	0.7015	0.1506	0.1402	0.2907		2,171.5421	2,171.5421	0.0121		2,171.7966
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0530	0.0846	0.7169	1.3500e-003	0.1255	8.0000e-004	0.1263	0.0333	7.4000e-004	0.0340		105.7791	105.7791	6.7100e-003		105.9201
Total	**0.6183**	**6.8361**	**8.9800**	**0.0233**	**0.6746**	**0.1532**	**0.8278**	**0.1839**	**0.1409**	**0.3248**		**2,277.3213**	**2,277.3213**	**0.0188**		**2,277.7167**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.7418	0.0000	3.7418	0.5666	0.0000	0.5666			0.0000			0.0000
Off-Road	5.4701	46.5617	36.6142	0.0511		2.9725	2.9725		2.7540	2.7540	0.0000	5,181.7649	5,181.7649	1.4831		5,212.9101
Total	**5.4701**	**46.5617**	**36.6142**	**0.0511**	**3.7418**	**2.9725**	**6.7143**	**0.5666**	**2.7540**	**3.3206**	**0.0000**	**5,181.7649**	**5,181.7649**	**1.4831**		**5,212.9101**

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5653	6.7516	8.2630	0.0219	0.5491	0.1524	0.7015	0.1506	0.1402	0.2907		2,171.5421	2,171.5421	0.0121		2,171.7966
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0530	0.0846	0.7169	1.3500e-003	0.1255	8.0000e-004	0.1263	0.0333	7.4000e-004	0.0340		105.7791	105.7791	6.7100e-003		105.9201
Total	**0.6183**	**6.8361**	**8.9800**	**0.0233**	**0.6746**	**0.1532**	**0.8278**	**0.1839**	**0.1409**	**0.3248**		**2,277.3213**	**2,277.3213**	**0.0188**		**2,277.7167**

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					5.1639	0.0000	5.1639	2.5583	0.0000	2.5583			0.0000			0.0000
Off-Road	5.7119	59.9930	38.6036	0.0500		3.2811	3.2811		3.0200	3.0200		5,092.1083	5,092.1083	1.5475		5,124.6054
Total	**5.7119**	**59.9930**	**38.6036**	**0.0500**	**5.1639**	**3.2811**	**8.4449**	**2.5583**	**3.0200**	**5.5783**		**5,092.1083**	**5,092.1083**	**1.5475**		**5,124.6054**

3.3 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3755	4.4852	5.4894	0.0146	0.3648	0.1012	0.4660	0.1000	0.0931	0.1932		1,442.6167	1,442.6167	8.0500e-003		1,442.7858
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.1128	0.9559	1.8100e-003	0.1673	1.0600e-003	0.1684	0.0444	9.8000e-004	0.0454		141.0388	141.0388	8.9500e-003		141.2268
Total	**0.4462**	**4.5980**	**6.4453**	**0.0164**	**0.5321**	**0.1023**	**0.6344**	**0.1444**	**0.0941**	**0.2385**		**1,583.6556**	**1,583.6556**	**0.0170**		**1,584.0126**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0139	0.0000	2.0139	0.9978	0.0000	0.9978			0.0000			0.0000
Off-Road	5.7119	47.9944	38.6036	0.0500		3.2811	3.2811		3.0200	3.0200	0.0000	5,092.1083	5,092.1083	1.5475		5,124.6054
Total	**5.7119**	**47.9944**	**38.6036**	**0.0500**	**2.0139**	**3.2811**	**5.2950**	**0.9978**	**3.0200**	**4.0178**	**0.0000**	**5,092.1083**	**5,092.1083**	**1.5475**		**5,124.6054**

3.3 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3755	4.4852	5.4894	0.0146	0.3648	0.1012	0.4660	0.1000	0.0931	0.1932		1,442.6167	1,442.6167	8.0500e-003		1,442.7858
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.1128	0.9559	1.8100e-003	0.1673	1.0600e-003	0.1684	0.0444	9.8000e-004	0.0454		141.0388	141.0388	8.9500e-003		141.2268
Total	**0.4462**	**4.5980**	**6.4453**	**0.0164**	**0.5321**	**0.1023**	**0.6344**	**0.1444**	**0.0941**	**0.2385**		**1,583.6556**	**1,583.6556**	**0.0170**		**1,584.0126**

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.0419	54.1797	35.7363	0.0561		3.2393	3.2393		3.0466	3.0466		5,547.5869	5,547.5869	1.4053		5,577.0987
Total	**6.0419**	**54.1797**	**35.7363**	**0.0561**		**3.2393**	**3.2393**		**3.0466**	**3.0466**		**5,547.5869**	**5,547.5869**	**1.4053**		**5,577.0987**

3.4 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.0110	13.0571	29.0546	0.0322	0.9617	0.2572	1.2189	0.2728	0.2365	0.5093		3,153.9828	3,153.9828	0.0213		3,154.4304
Worker	1.8375	2.9323	24.8535	0.0470	4.3507	0.0276	4.3783	1.1540	0.0255	1.1795		3,667.0098	3,667.0098	0.2327		3,671.8969
Total	**3.8485**	**15.9893**	**53.9081**	**0.0792**	**5.3124**	**0.2849**	**5.5972**	**1.4268**	**0.2620**	**1.6887**		**6,820.9926**	**6,820.9926**	**0.2540**		**6,826.3273**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.0419	43.3437	35.7363	0.0561		3.2393	3.2393		3.0466	3.0466	0.0000	5,547.5869	5,547.5869	1.4053		5,577.0987
Total	**6.0419**	**43.3437**	**35.7363**	**0.0561**		**3.2393**	**3.2393**		**3.0466**	**3.0466**	**0.0000**	**5,547.5869**	**5,547.5869**	**1.4053**		**5,577.0987**

3.4 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.0110	13.0571	29.0546	0.0322	0.9617	0.2572	1.2189	0.2728	0.2365	0.5093		3,153.9828	3,153.9828	0.0213		3,154.4304
Worker	1.8375	2.9323	24.8535	0.0470	4.3507	0.0276	4.3783	1.1540	0.0255	1.1795		3,667.0098	3,667.0098	0.2327		3,671.8969
Total	**3.8485**	**15.9893**	**53.9081**	**0.0792**	**5.3124**	**0.2849**	**5.5972**	**1.4268**	**0.2620**	**1.6887**		**6,820.9926**	**6,820.9926**	**0.2540**		**6,826.3273**

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1975	46.7291	34.7172	0.0561		2.7180	2.7180		2.5588	2.5588		5,483.4680	5,483.4680	1.3856		5,512.5659
Total	**5.1975**	**46.7291**	**34.7172**	**0.0561**		**2.7180**	**2.7180**		**2.5588**	**2.5588**		**5,483.4680**	**5,483.4680**	**1.3856**		**5,512.5659**

3.4 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.7894	11.8592	27.3991	0.0321	0.9612	0.2410	1.2022	0.2726	0.2216	0.4942		3,097.3143	3,097.3143	0.0209		3,097.7541
Worker	1.6543	2.6851	22.5451	0.0469	4.3507	0.0272	4.3779	1.1540	0.0252	1.1791		3,525.2150	3,525.2150	0.2171		3,529.7745
Total	**3.4437**	**14.5444**	**49.9442**	**0.0791**	**5.3119**	**0.2682**	**5.5801**	**1.4266**	**0.2468**	**1.6733**		**6,622.5293**	**6,622.5293**	**0.2381**		**6,627.5286**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1975	37.3833	34.7172	0.0561		2.7180	2.7180		2.5588	2.5588	0.0000	5,483.4680	5,483.4680	1.3856		5,512.5659
Total	**5.1975**	**37.3833**	**34.7172**	**0.0561**		**2.7180**	**2.7180**		**2.5588**	**2.5588**	**0.0000**	**5,483.4680**	**5,483.4680**	**1.3856**		**5,512.5659**

3.4 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.7894	11.8592	27.3991	0.0321	0.9612	0.2410	1.2022	0.2726	0.2216	0.4942		3,097.3143	3,097.3143	0.0209		3,097.7541
Worker	1.6543	2.6851	22.5451	0.0469	4.3507	0.0272	4.3779	1.1540	0.0252	1.1791		3,525.2150	3,525.2150	0.2171		3,529.7745
Total	**3.4437**	**14.5444**	**49.9442**	**0.0791**	**5.3119**	**0.2682**	**5.5801**	**1.4266**	**0.2468**	**1.6733**		**6,622.5293**	**6,622.5293**	**0.2381**		**6,627.5286**

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6769	42.3678	34.2182	0.0561		2.3969	2.3969		2.2555	2.2555		5,420.3343	5,420.3343	1.3678		5,449.0575
Total	**4.6769**	**42.3678**	**34.2182**	**0.0561**		**2.3969**	**2.3969**		**2.2555**	**2.2555**		**5,420.3343**	**5,420.3343**	**1.3678**		**5,449.0575**

3.4 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.6363	10.8371	26.1531	0.0320	0.9608	0.2237	1.1845	0.2724	0.2058	0.4781		3,041.9049	3,041.9049	0.0206		3,042.3368
Worker	1.5172	2.4784	20.8068	0.0469	4.3507	0.0272	4.3779	1.1540	0.0252	1.1792		3,392.6329	3,392.6329	0.2052		3,396.9424
Total	**3.1535**	**13.3155**	**46.9599**	**0.0789**	**5.3114**	**0.2510**	**5.5624**	**1.4264**	**0.2310**	**1.6574**		**6,434.5378**	**6,434.5378**	**0.2258**		**6,439.2793**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6769	33.8942	34.2182	0.0561		2.3969	2.3969		2.2555	2.2555	0.0000	5,420.3343	5,420.3343	1.3678		5,449.0575
Total	**4.6769**	**33.8942**	**34.2182**	**0.0561**		**2.3969**	**2.3969**		**2.2555**	**2.2555**	**0.0000**	**5,420.3343**	**5,420.3343**	**1.3678**		**5,449.0575**

3.4 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.6363	10.8371	26.1531	0.0320	0.9608	0.2237	1.1845	0.2724	0.2058	0.4781		3,041.9049	3,041.9049	0.0206		3,042.3368
Worker	1.5172	2.4784	20.8068	0.0469	4.3507	0.0272	4.3779	1.1540	0.0252	1.1792		3,392.6329	3,392.6329	0.2052		3,396.9424
Total	**3.1535**	**13.3155**	**46.9599**	**0.0789**	**5.3114**	**0.2510**	**5.5624**	**1.4264**	**0.2310**	**1.6574**		**6,434.5378**	**6,434.5378**	**0.2258**		**6,439.2793**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2890	38.8043	33.8459	0.0561		2.1414	2.1414		2.0139	2.0139		5,335.8439	5,335.8439	1.3533		5,364.2631
Total	**4.2890**	**38.8043**	**33.8459**	**0.0561**		**2.1414**	**2.1414**		**2.0139**	**2.0139**		**5,335.8439**	**5,335.8439**	**1.3533**		**5,364.2631**

3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.3973	9.2161	24.4110	0.0319	0.9603	0.2010	1.1613	0.2722	0.1849	0.4571		2,969.5856	2,969.5856	0.0198		2,970.0019
Worker	1.4159	2.3200	19.4217	0.0469	4.3507	0.0273	4.3780	1.1540	0.0253	1.1793		3,254.6677	3,254.6677	0.1956		3,258.7745
Total	**2.8133**	**11.5362**	**43.8327**	**0.0788**	**5.3110**	**0.2282**	**5.5392**	**1.4262**	**0.2102**	**1.6363**		**6,224.2533**	**6,224.2533**	**0.2154**		**6,228.7764**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2890	31.0434	33.8459	0.0561		2.1414	2.1414		2.0139	2.0139	0.0000	5,335.8439	5,335.8439	1.3533		5,364.2631
Total	**4.2890**	**31.0434**	**33.8459**	**0.0561**		**2.1414**	**2.1414**		**2.0139**	**2.0139**	**0.0000**	**5,335.8439**	**5,335.8439**	**1.3533**		**5,364.2631**

3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.3973	9.2161	24.4110	0.0319	0.9603	0.2010	1.1613	0.2722	0.1849	0.4571		2,969.5856	2,969.5856	0.0198		2,970.0019
Worker	1.4159	2.3200	19.4217	0.0469	4.3507	0.0273	4.3780	1.1540	0.0253	1.1793		3,254.6677	3,254.6677	0.1956		3,258.7745
Total	**2.8133**	**11.5362**	**43.8327**	**0.0788**	**5.3110**	**0.2282**	**5.5392**	**1.4262**	**0.2102**	**1.6363**		**6,224.2533**	**6,224.2533**	**0.2154**		**6,228.7764**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8712	34.9212	33.4769	0.0561		1.8627	1.8627		1.7514	1.7514		5,335.4696	5,335.4696	1.3404		5,363.6181
Total	**3.8712**	**34.9212**	**33.4769**	**0.0561**		**1.8627**	**1.8627**		**1.7514**	**1.7514**		**5,335.4696**	**5,335.4696**	**1.3404**		**5,363.6181**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2961	7.6098	23.5351	0.0319	0.9602	0.1749	1.1351	0.2721	0.1609	0.4331		2,965.4363	2,965.4363	0.0200		2,965.8566
Worker	1.3435	2.1992	18.4613	0.0469	4.3507	0.0276	4.3783	1.1540	0.0256	1.1796		3,206.6245	3,206.6245	0.1900		3,210.6151
Total	**2.6395**	**9.8090**	**41.9964**	**0.0788**	**5.3108**	**0.2025**	**5.5134**	**1.4261**	**0.1865**	**1.6127**		**6,172.0608**	**6,172.0608**	**0.2100**		**6,176.4717**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8712	27.9370	33.4769	0.0561		1.8627	1.8627		1.7514	1.7514	0.0000	5,335.4696	5,335.4696	1.3404		5,363.6181
Total	**3.8712**	**27.9370**	**33.4769**	**0.0561**		**1.8627**	**1.8627**		**1.7514**	**1.7514**	**0.0000**	**5,335.4696**	**5,335.4696**	**1.3404**		**5,363.6181**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2961	7.6098	23.5351	0.0319	0.9602	0.1749	1.1351	0.2721	0.1609	0.4331		2,965.4363	2,965.4363	0.0200		2,965.8566
Worker	1.3435	2.1992	18.4613	0.0469	4.3507	0.0276	4.3783	1.1540	0.0256	1.1796		3,206.6245	3,206.6245	0.1900		3,210.6151
Total	**2.6395**	**9.8090**	**41.9964**	**0.0788**	**5.3108**	**0.2025**	**5.5134**	**1.4261**	**0.1865**	**1.6127**		**6,172.0608**	**6,172.0608**	**0.2100**		**6,176.4717**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4938	30.8046	33.1368	0.0561		1.6103	1.6103		1.5143	1.5143		5,335.9879	5,335.9879	1.3331		5,363.9827
Total	**3.4938**	**30.8046**	**33.1368**	**0.0561**		**1.6103**	**1.6103**		**1.5143**	**1.5143**		**5,335.9879**	**5,335.9879**	**1.3331**		**5,363.9827**

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2558	6.8481	23.1045	0.0318	0.9600	0.1721	1.1321	0.2721	0.1583	0.4304		2,961.6478	2,961.6478	0.0204		2,962.0759
Worker	1.2841	2.1091	17.5645	0.0469	4.3507	0.0277	4.3784	1.1540	0.0257	1.1797		3,159.3225	3,159.3225	0.1847		3,163.2012
Total	**2.5399**	**8.9572**	**40.6690**	**0.0788**	**5.3107**	**0.1998**	**5.5105**	**1.4260**	**0.1841**	**1.6101**		**6,120.9702**	**6,120.9702**	**0.2051**		**6,125.2770**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4938	24.6437	33.1368	0.0561		1.6103	1.6103		1.5143	1.5143	0.0000	5,335.9878	5,335.9878	1.3331		5,363.9827
Total	**3.4938**	**24.6437**	**33.1368**	**0.0561**		**1.6103**	**1.6103**		**1.5143**	**1.5143**	**0.0000**	**5,335.9878**	**5,335.9878**	**1.3331**		**5,363.9827**

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2558	6.8481	23.1045	0.0318	0.9600	0.1721	1.1321	0.2721	0.1583	0.4304		2,961.6478	2,961.6478	0.0204		2,962.0759
Worker	1.2841	2.1091	17.5645	0.0469	4.3507	0.0277	4.3784	1.1540	0.0257	1.1797		3,159.3225	3,159.3225	0.1847		3,163.2012
Total	**2.5399**	**8.9572**	**40.6690**	**0.0788**	**5.3107**	**0.1998**	**5.5105**	**1.4260**	**0.1841**	**1.6101**		**6,120.9702**	**6,120.9702**	**0.2051**		**6,125.2770**

3.4 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	3.2647	28.3981	32.9798	0.0561		1.4389	1.4389		1.3523	1.3523		5,336.2173	5,336.2173	1.3244		5,364.0297
Total	**3.2647**	**28.3981**	**32.9798**	**0.0561**		**1.4389**	**1.4389**		**1.3523**	**1.3523**		**5,336.2173**	**5,336.2173**	**1.3244**		**5,364.0297**

3.4 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	1.1710	6.0320	22.2063	0.0317	0.9598	0.1648	1.1245	0.2720	0.1516	0.4236		2,954.1195	2,954.1195	0.0192		2,954.5228
Worker	1.2321	2.0339	16.7715	0.0469	4.3507	0.0278	4.3785	1.1540	0.0258	1.1798		3,117.2467	3,117.2467	0.1802		3,121.0301
Total	**2.4031**	**8.0658**	**38.9778**	**0.0786**	**5.3104**	**0.1926**	**5.5031**	**1.4260**	**0.1774**	**1.6034**		**6,071.3662**	**6,071.3662**	**0.1994**		**6,075.5529**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2647	22.7185	32.9798	0.0561		1.4389	1.4389		1.3523	1.3523	0.0000	5,336.2173	5,336.2173	1.3244		5,364.0297
Total	**3.2647**	**22.7185**	**32.9798**	**0.0561**		**1.4389**	**1.4389**		**1.3523**	**1.3523**	**0.0000**	**5,336.2173**	**5,336.2173**	**1.3244**		**5,364.0297**

3.4 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	1.1710	6.0320	22.2063	0.0317	0.9598	0.1648	1.1245	0.2720	0.1516	0.4236		2,954.1195	2,954.1195	0.0192		2,954.5228
Worker	1.2321	2.0339	16.7715	0.0469	4.3507	0.0278	4.3785	1.1540	0.0258	1.1798		3,117.2467	3,117.2467	0.1802		3,121.0301
Total	**2.4031**	**8.0658**	**38.9778**	**0.0786**	**5.3104**	**0.1926**	**5.5031**	**1.4260**	**0.1774**	**1.6034**		**6,071.3662**	**6,071.3662**	**0.1994**		**6,075.5529**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8425	17.1072	20.5363	0.0317		0.9012	0.9012		0.8382	0.8382		3,036.4718	3,036.4718	0.8464		3,054.2461
Paving	0.3058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1483**	**17.1072**	**20.5363**	**0.0317**		**0.9012**	**0.9012**		**0.8382**	**0.8382**		**3,036.4718**	**3,036.4718**	**0.8464**		**3,054.2461**

3.5 Paving - 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	0.0355	0.0587	0.4838	1.3500e-003	0.1255	8.0000e-004	0.1263	0.0333	7.5000e-004	0.0340		89.9206	89.9206	5.2000e-003		90.0297
Total	**0.0355**	**0.0587**	**0.4838**	**1.3500e-003**	**0.1255**	**8.0000e-004**	**0.1263**	**0.0333**	**7.5000e-004**	**0.0340**		**89.9206**	**89.9206**	**5.2000e-003**		**90.0297**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8425	13.6858	20.5363	0.0317		0.9012	0.9012		0.8382	0.8382	0.0000	3,036.4718	3,036.4718	0.8464		3,054.2461
Paving	0.3058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1483**	**13.6858**	**20.5363**	**0.0317**		**0.9012**	**0.9012**		**0.8382**	**0.8382**	**0.0000**	**3,036.4718**	**3,036.4718**	**0.8464**		**3,054.2461**

3.5 Paving - 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	0.0355	0.0587	0.4838	1.3500e-003	0.1255	8.0000e-004	0.1263	0.0333	7.5000e-004	0.0340		89.9206	89.9206	5.2000e-003		90.0297
Total	**0.0355**	**0.0587**	**0.4838**	**1.3500e-003**	**0.1255**	**8.0000e-004**	**0.1263**	**0.0333**	**7.5000e-004**	**0.0340**		**89.9206**	**89.9206**	**5.2000e-003**		**90.0297**

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7481	15.9333	20.5420	0.0317		0.8210	0.8210		0.7634	0.7634		3,036.4936	3,036.4936	0.8456		3,054.2517
Paving	0.3058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0539**	**15.9333**	**20.5420**	**0.0317**		**0.8210**	**0.8210**		**0.7634**	**0.7634**		**3,036.4936**	**3,036.4936**	**0.8456**		**3,054.2517**

3.5 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0345	0.0571	0.4727	1.3700e-003	0.1255	8.3000e-004	0.1263	0.0333	7.7000e-004	0.0341		89.9198	89.9198	5.2000e-003		90.0290
Total	**0.0345**	**0.0571**	**0.4727**	**1.3700e-003**	**0.1255**	**8.3000e-004**	**0.1263**	**0.0333**	**7.7000e-004**	**0.0341**		**89.9198**	**89.9198**	**5.2000e-003**		**90.0290**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7481	12.7466	20.5420	0.0317		0.8210	0.8210		0.7634	0.7634	0.0000	3,036.4936	3,036.4936	0.8456		3,054.2517
Paving	0.3058					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0539**	**12.7466**	**20.5420**	**0.0317**		**0.8210**	**0.8210**		**0.7634**	**0.7634**	**0.0000**	**3,036.4936**	**3,036.4936**	**0.8456**		**3,054.2517**

3.5 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0345	0.0571	0.4727	1.3700e-003	0.1255	8.3000e-004	0.1263	0.0333	7.7000e-004	0.0341		89.9198	89.9198	5.2000e-003		90.0290
Total	**0.0345**	**0.0571**	**0.4727**	**1.3700e-003**	**0.1255**	**8.3000e-004**	**0.1263**	**0.0333**	**7.7000e-004**	**0.0341**		**89.9198**	**89.9198**	**5.2000e-003**		**90.0290**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	50.6416					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2063	1.6073	2.6167	4.2100e-003		0.0677	0.0677		0.0671	0.0671		401.4770	401.4770	0.0547		402.6250
Total	**50.8480**	**1.6073**	**2.6167**	**4.2100e-003**		**0.0677**	**0.0677**		**0.0671**	**0.0671**		**401.4770**	**401.4770**	**0.0547**		**402.6250**

3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.9579	1.5844	13.1082	0.0380	12.5555	0.0230	12.5785	3.1507	0.0213	3.1720		2,493.7750	2,493.7750	0.1443		2,496.8042
Total	**0.9579**	**1.5844**	**13.1082**	**0.0380**	**12.5555**	**0.0230**	**12.5785**	**3.1507**	**0.0213**	**3.1720**		**2,493.7750**	**2,493.7750**	**0.1443**		**2,496.8042**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	50.6416					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2063	1.2858	2.6167	4.2100e-003		0.0677	0.0677		0.0671	0.0671	0.0000	401.4770	401.4770	0.0547		402.6250
Total	**50.8480**	**1.2858**	**2.6167**	**4.2100e-003**		**0.0677**	**0.0677**		**0.0671**	**0.0671**	**0.0000**	**401.4770**	**401.4770**	**0.0547**		**402.6250**

3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.9579	1.5844	13.1082	0.0380	12.5555	0.0230	12.5785	3.1507	0.0213	3.1720		2,493.7750	2,493.7750	0.1443		2,496.8042
Total	**0.9579**	**1.5844**	**13.1082**	**0.0380**	**12.5555**	**0.0230**	**12.5785**	**3.1507**	**0.0213**	**3.1720**		**2,493.7750**	**2,493.7750**	**0.1443**		**2,496.8042**

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	34.3172	72.2980	405.8060	0.7465	50.3997	1.4803	51.8800	13.4508	1.3646	14.8153		55,603.1105	55,603.1105	2.1452		55,648.1587
Unmitigated	34.3172	72.2980	405.8060	0.7465	50.3997	1.4803	51.8800	13.4508	1.3646	14.8153		55,603.1105	55,603.1105	2.1452		55,648.1587

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	197.70	214.80	182.10	442,719	442,719
Junior College (2Yr)	12,060.00	4,221.00	402.00	15,167,506	15,167,506
Library	2,049.75	1,745.63	955.88	3,184,435	3,184,435
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	14,307.45	6,181.43	1,539.98	18,794,660	18,794,660

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
Apartments Low Rise	11.00	3.50	4.50	40.20	19.20	40.60	86	11	3
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1
Library	12.50	4.20	5.40	52.00	43.00	5.00	44	44	12
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Parking Lot	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.467876	0.065956	0.172405	0.161468	0.036746	0.005953	0.010744	0.069773	0.001331	0.001228	0.003449	0.000500	0.002571

5.0 Energy Detail

4.4 Fleet Mix

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	0.2098	1.9009	1.5537	0.0115		0.1450	0.1450		0.1450	0.1450		2,289.0382	2,289.0382	0.0439	0.0420	2,302.9689
NaturalGas Unmitigated	0.2098	1.9009	1.5537	0.0115		0.1450	0.1450		0.1450	0.1450		2,289.0382	2,289.0382	0.0439	0.0420	2,302.9689

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					
Junior College (2Yr)	14908.8	0.1608	1.4616	1.2278	8.7700e-003		0.1111	0.1111		0.1111	0.1111		1,753.9726	1,753.9726	0.0336	0.0322	1,764.6470
Library	3420.21	0.0369	0.3353	0.2817	2.0100e-003		0.0255	0.0255		0.0255	0.0255		402.3771	402.3771	7.7100e-003	7.3800e-003	404.8259
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Low Rise	1127.85	0.0122	0.1039	0.0442	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.6885	132.6885	2.5400e-003	2.4300e-003	133.4960
Total		**0.2098**	**1.9009**	**1.5537**	**0.0114**		**0.1450**	**0.1450**		**0.1450**	**0.1450**		**2,289.0382**	**2,289.0382**	**0.0439**	**0.0420**	**2,302.9689**

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					
Junior College (2Yr)	14.9088	0.1608	1.4616	1.2278	8.7700e-003		0.1111	0.1111		0.1111	0.1111		1,753.9726	1,753.9726	0.0336	0.0322	1,764.6470
Library	3.42021	0.0369	0.3353	0.2817	2.0100e-003		0.0255	0.0255		0.0255	0.0255		402.3771	402.3771	7.7100e-003	7.3800e-003	404.8259
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Low Rise	1.12785	0.0122	0.1039	0.0442	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.6885	132.6885	2.5400e-003	2.4300e-003	133.4960
Total		**0.2098**	**1.9009**	**1.5537**	**0.0114**		**0.1450**	**0.1450**		**0.1450**	**0.1450**		**2,289.0382**	**2,289.0382**	**0.0439**	**0.0420**	**2,302.9689**

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	29.6174	0.0394	3.6820	2.2000e-004		0.0985	0.0985		0.0976	0.0976	0.0000	1,277.6300	1,277.6300	0.0353	0.0233	1,285.5934
Unmitigated	29.6174	0.0394	3.6820	2.2000e-004		0.0985	0.0985		0.0976	0.0976	0.0000	1,277.6300	1,277.6300	0.0353	0.0233	1,285.5934

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.4686					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.8474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1165	1.0000e-005	6.3500e-003	0.0000		0.0805	0.0805		0.0796	0.0796	0.0000	1,270.5882	1,270.5882	0.0244	0.0233	1,278.3208
Landscaping	0.1850	0.0394	3.6756	2.2000e-004		0.0180	0.0180		0.0180	0.0180		7.0418	7.0418	0.0110		7.2726
Total	**29.6174**	**0.0394**	**3.6820**	**2.2000e-004**		**0.0985**	**0.0985**		**0.0976**	**0.0976**	**0.0000**	**1,277.6300**	**1,277.6300**	**0.0353**	**0.0233**	**1,285.5934**

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	3.4686					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.8474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1165	1.0000e-005	6.3500e-003	0.0000		0.0805	0.0805		0.0796	0.0796	0.0000	1,270.5882	1,270.5882	0.0244	0.0233	1,278.3208
Landscaping	0.1850	0.0394	3.6756	2.2000e-004		0.0180	0.0180		0.0180	0.0180		7.0418	7.0418	0.0110		7.2726
Total	**29.6174**	**0.0394**	**3.6820**	**2.2000e-004**		**0.0985**	**0.0985**		**0.0976**	**0.0976**	**0.0000**	**1,277.6300**	**1,277.6300**	**0.0353**	**0.0233**	**1,285.5934**

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 Vegetation

NORTH PALM SPRINGS

SITE DEVELOPMENT ALTERNATIVE

College of the Desert

West Valley Campus

Air Emission Outputs

CalEEMod Version 2013.2.2

N. Palm Springs Site Alternative Buildout

Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	8,040.00	Student	10.70	260,000.00	0
Library	30.00	1000sqft	0.69	30,000.00	0
Other Asphalt Surfaces	2.00	Acre	2.00	87,120.00	0
Parking Lot	1,330.00	Space	11.97	532,000.00	0
Apartments Low Rise	30.00	Dwelling Unit	3.75	20,000.00	60

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)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - North Palm Springs site, no demolition required, includes 30 dorms, assumes 29.11 acres.

Construction Phase - Assumes a 8 year buildout for AQ analysis purposes (buildout at 2025). Actual development will likely occur gradually with full buildout closer to 2030.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT - Hauling trips based on demo estimate from Demo Unlimited Inc. plus the additional 33 trips for 500 tons of concrete debris.

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition -

Grading - Assumes same amount of material import as proposed project, for analysis purposes.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Trip rate was adjusted to reflect results of Traffic Report. Library = 1,640 daily trips: [30 (1,000s) SF x 54.66]

Road Dust - All roads are paved.

Woodstoves - No woodstoves/fireplaces.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstructionPhase	NumDays	35.00	110.00
tblConstructionPhase	NumDays	440.00	1,600.00
tblConstructionPhase	NumDays	45.00	60.00
tblConstructionPhase	NumDays	35.00	110.00
tblFireplaces	FireplaceWoodMass	457.60	0.00
tblFireplaces	NumberGas	30.00	60.00
tblGrading	AcresOfGrading	90.00	29.11
tblGrading	MaterialImported	0.00	40,000.00
tblLandUse	LandUseSquareFeet	350,963.99	260,000.00
tblLandUse	LandUseSquareFeet	30,000.00	20,000.00
tblLandUse	LotAcreage	8.06	10.70
tblLandUse	LotAcreage	1.88	3.75
tblLandUse	Population	97.00	60.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
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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	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
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tblOnRoadDust	WorkerPercentPave	50.00	100.00
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tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblRoadDust	RoadPercentPave	50	100
tblTripsAndVMT	HaulingTripNumber	5,000.00	1,250.00
tblTripsAndVMT	WorkerTripNumber	33.00	20.00
tblTripsAndVMT	WorkerTripNumber	28.00	15.00
tblVehicleTrips	WD_TR	56.24	54.66
tblWoodstoves	NumberCatalytic	1.50	3.00
tblWoodstoves	NumberNoncatalytic	1.50	3.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.8582	6.9095	6.9920	0.0110	0.4754	0.3608	0.8361	0.1629	0.3369	0.4999	0.0000	929.8452	929.8452	0.1516	0.0000	933.0276
2018	1.0233	7.5391	9.3038	0.0156	0.5301	0.3814	0.9115	0.1425	0.3585	0.5010	0.0000	1,274.8001	1,274.8001	0.1858	0.0000	1,278.7021
2019	0.9268	6.8487	8.9348	0.0156	0.5301	0.3378	0.8679	0.1425	0.3174	0.4598	0.0000	1,249.4126	1,249.4126	0.1826	0.0000	1,253.2466
2020	0.8468	6.2310	8.5912	0.0156	0.5320	0.3034	0.8354	0.1430	0.2849	0.4279	0.0000	1,224.1012	1,224.1012	0.1806	0.0000	1,227.8937
2021	0.7719	5.5285	8.3227	0.0156	0.5300	0.2633	0.7933	0.1425	0.2472	0.3896	0.0000	1,214.3563	1,214.3563	0.1779	0.0000	1,218.0919
2022	0.7097	4.8879	8.1167	0.0155	0.5280	0.2292	0.7571	0.1419	0.2152	0.3571	0.0000	1,204.8571	1,204.8571	0.1759	0.0000	1,208.5507
2023	0.6288	3.4539	5.6222	0.0106	0.3254	0.1649	0.4902	0.0870	0.1543	0.2413	0.0000	831.1428	831.1428	0.1401	0.0000	834.0849
2024	2.8409	0.1473	0.7253	1.8700e-003	0.5066	4.4900e-003	0.5111	0.1272	4.3900e-003	0.1316	0.0000	117.0489	117.0489	7.9500e-003	0.0000	117.2160
Total	**8.6064**	**41.5458**	**56.6086**	**0.1012**	**3.9575**	**2.0451**	**6.0027**	**1.0894**	**1.9186**	**3.0080**	**0.0000**	**8,045.5642**	**8,045.5642**	**1.2023**	**0.0000**	**8,070.8134**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.8582	5.7368	6.9920	0.0110	0.3809	0.3608	0.7416	0.1161	0.3369	0.4530	0.0000	929.8445	929.8445	0.1516	0.0000	933.0270
2018	1.0233	6.3195	9.3038	0.0156	0.5301	0.3814	0.9115	0.1425	0.3585	0.5010	0.0000	1,274.7993	1,274.7993	0.1858	0.0000	1,278.7013
2019	0.9268	5.7429	8.9348	0.0156	0.5301	0.3378	0.8679	0.1425	0.3174	0.4598	0.0000	1,249.4119	1,249.4119	0.1826	0.0000	1,253.2458
2020	0.8468	5.2144	8.5912	0.0156	0.5320	0.3034	0.8354	0.1430	0.2849	0.4279	0.0000	1,224.1005	1,224.1005	0.1806	0.0000	1,227.8929
2021	0.7719	4.6171	8.3227	0.0156	0.5300	0.2633	0.7933	0.1425	0.2472	0.3896	0.0000	1,214.3555	1,214.3555	0.1779	0.0000	1,218.0911
2022	0.7097	4.0870	8.1167	0.0155	0.5280	0.2292	0.7571	0.1419	0.2152	0.3571	0.0000	1,204.8564	1,204.8564	0.1759	0.0000	1,208.5500
2023	0.6288	2.8531	5.6222	0.0106	0.3254	0.1649	0.4902	0.0870	0.1543	0.2413	0.0000	831.1422	831.1422	0.1401	0.0000	834.0843
2024	2.8409	0.1304	0.7253	1.8700e-003	0.5066	4.4900e-003	0.5111	0.1272	4.3900e-003	0.1316	0.0000	117.0489	117.0489	7.9500e-003	0.0000	117.2159
Total	**8.6064**	**34.7010**	**56.6086**	**0.1012**	**3.8630**	**2.0451**	**5.9082**	**1.0426**	**1.9186**	**2.9612**	**0.0000**	**8,045.5592**	**8,045.5592**	**1.2023**	**0.0000**	**8,070.8083**

	ROG	NOx	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**	**16.48**	**0.00**	**0.00**	**2.39**	**0.00**	**1.57**	**4.30**	**0.00**	**1.56**	**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	tons/yr										MT/yr					
Area	4.1348	3.3400e-003	0.3090	2.0000e-005		4.8400e-003	4.8400e-003		4.8100e-003	4.8100e-003	0.0000	47.7909	47.7909	1.6900e-003	8.7000e-004	48.0950
Energy	0.0280	0.2534	0.2050	1.5300e-003		0.0194	0.0194		0.0194	0.0194	0.0000	1,200.3679	1,200.3679	0.0478	0.0139	1,205.6676
Mobile	4.1026	8.2007	43.6210	0.0900	5.7775	0.1709	5.9483	1.5434	0.1575	1.7009	0.0000	6,061.2529	6,061.2529	0.2248	0.0000	6,065.9731
Waste						0.0000	0.0000		0.0000	0.0000	306.2586	0.0000	306.2586	18.0994	0.0000	686.3452
Water						0.0000	0.0000		0.0000	0.0000	6.3793	169.1141	175.4933	0.6630	0.0171	194.7106
Total	**8.2654**	**8.4574**	**44.1350**	**0.0915**	**5.7775**	**0.1951**	**5.9725**	**1.5434**	**0.1817**	**1.7250**	**312.6378**	**7,478.5256**	**7,791.1635**	**19.0366**	**0.0318**	**8,200.7914**

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	4.1348	3.3400e-003	0.3090	2.0000e-005		4.8400e-003	4.8400e-003		4.8100e-003	4.8100e-003	0.0000	47.7909	47.7909	1.6900e-003	8.7000e-004	48.0950
Energy	0.0280	0.2534	0.2050	1.5300e-003		0.0194	0.0194		0.0194	0.0194	0.0000	1,200.3679	1,200.3679	0.0478	0.0139	1,205.6676
Mobile	4.1026	8.2007	43.6210	0.0900	5.7775	0.1709	5.9483	1.5434	0.1575	1.7009	0.0000	6,061.2529	6,061.2529	0.2248	0.0000	6,065.9731
Waste						0.0000	0.0000		0.0000	0.0000	306.2586	0.0000	306.2586	18.0994	0.0000	686.3452
Water						0.0000	0.0000		0.0000	0.0000	6.3793	169.1141	175.4933	0.6629	0.0171	194.7004
Total	**8.2654**	**8.4574**	**44.1350**	**0.0915**	**5.7775**	**0.1951**	**5.9725**	**1.5434**	**0.1817**	**1.7250**	**312.6378**	**7,478.5256**	**7,791.1635**	**19.0364**	**0.0318**	**8,200.7812**

	ROG	NOx	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**	**0.09**	**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	Grading	Grading	3/11/2017	6/2/2017	5	60	
2	Building Construction	Building Construction	6/3/2017	7/21/2023	5	1600	
3	Paving	Paving	7/22/2023	12/22/2023	5	110	
4	Architectural Coating	Architectural Coating	12/23/2023	5/24/2024	5	110	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 29.11

Acres of Paving: 0

Residential Indoor: 40,500; Residential Outdoor: 13,500; Non-Residential Indoor: 589,620; Non-Residential Outdoor: 196,540 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40
Demolition	Rubber Tired Loaders	2	6.00	199	0.36
Demolition	Signal Boards	1	6.00	6	0.82
Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42
Grading	Plate Compactors	1	6.00	8	0.43

Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45
Paving	Concrete/Industrial Saws	1	6.00	81	0.73
Paving	Graders	1	6.00	174	0.41
Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	1	6.00	6	0.82

Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	13	20.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	403.00	152.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	11	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	81.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	81.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	81.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	81.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1549	0.0000	0.1549	0.0768	0.0000	0.0768	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1714	1.7998	1.1581	1.5000e-003		0.0984	0.0984		0.0906	0.0906	0.0000	138.5845	138.5845	0.0421	0.0000	139.4689
Total	**0.1714**	**1.7998**	**1.1581**	**1.5000e-003**	**0.1549**	**0.0984**	**0.2534**	**0.0768**	**0.0906**	**0.1674**	**0.0000**	**138.5845**	**138.5845**	**0.0421**	**0.0000**	**139.4689**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0105	0.1329	0.1440	4.4000e-004	0.0108	3.0300e-003	0.0139	2.9700e-003	2.7900e-003	5.7600e-003	0.0000	39.3188	39.3188	2.2000e-004	0.0000	39.3234
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2900e-003	3.2700e-003	0.0310	6.0000e-005	4.9600e-003	3.0000e-005	4.9900e-003	1.3200e-003	3.0000e-005	1.3500e-003	0.0000	4.0618	4.0618	2.4000e-004	0.0000	4.0669
Total	**0.0128**	**0.1361**	**0.1751**	**5.0000e-004**	**0.0158**	**3.0600e-003**	**0.0189**	**4.2900e-003**	**2.8200e-003**	**7.1100e-003**	**0.0000**	**43.3806**	**43.3806**	**4.6000e-004**	**0.0000**	**43.3903**

3.2 Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0604	0.0000	0.0604	0.0299	0.0000	0.0299	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1714	1.4398	1.1581	1.5000e-003		0.0984	0.0984		0.0906	0.0906	0.0000	138.5843	138.5843	0.0421	0.0000	139.4688
Total	**0.1714**	**1.4398**	**1.1581**	**1.5000e-003**	**0.0604**	**0.0984**	**0.1589**	**0.0299**	**0.0906**	**0.1205**	**0.0000**	**138.5843**	**138.5843**	**0.0421**	**0.0000**	**139.4688**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0105	0.1329	0.1440	4.4000e-004	0.0108	3.0300e-003	0.0139	2.9700e-003	2.7900e-003	5.7600e-003	0.0000	39.3188	39.3188	2.2000e-004	0.0000	39.3234
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2900e-003	3.2700e-003	0.0310	6.0000e-005	4.9600e-003	3.0000e-005	4.9900e-003	1.3200e-003	3.0000e-005	1.3500e-003	0.0000	4.0618	4.0618	2.4000e-004	0.0000	4.0669
Total	**0.0128**	**0.1361**	**0.1751**	**5.0000e-004**	**0.0158**	**3.0600e-003**	**0.0189**	**4.2900e-003**	**2.8200e-003**	**7.1100e-003**	**0.0000**	**43.3806**	**43.3806**	**4.6000e-004**	**0.0000**	**43.3903**

3.3 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4531	4.0635	2.6802	4.2100e-003		0.2430	0.2430		0.2285	0.2285	0.0000	377.4515	377.4515	0.0956	0.0000	379.4594
Total	**0.4531**	**4.0635**	**2.6802**	**4.2100e-003**		**0.2430**	**0.2430**		**0.2285**	**0.2285**	**0.0000**	**377.4515**	**377.4515**	**0.0956**	**0.0000**	**379.4594**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1054	0.7454	1.4153	1.8600e-003	0.0548	0.0147	0.0695	0.0156	0.0135	0.0291	0.0000	165.8155	165.8155	1.0800e-003	0.0000	165.8382
Worker	0.1155	0.1647	1.5633	2.8900e-003	0.2499	1.6100e-003	0.2515	0.0663	1.4800e-003	0.0678	0.0000	204.6131	204.6131	0.0123	0.0000	204.8708
Total	**0.2209**	**0.9101**	**2.9786**	**4.7500e-003**	**0.3047**	**0.0163**	**0.3210**	**0.0819**	**0.0150**	**0.0969**	**0.0000**	**370.4286**	**370.4286**	**0.0134**	**0.0000**	**370.7090**

3.3 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4531	3.2508	2.6802	4.2100e-003		0.2430	0.2430		0.2285	0.2285	0.0000	377.4510	377.4510	0.0956	0.0000	379.4590
Total	**0.4531**	**3.2508**	**2.6802**	**4.2100e-003**		**0.2430**	**0.2430**		**0.2285**	**0.2285**	**0.0000**	**377.4510**	**377.4510**	**0.0956**	**0.0000**	**379.4590**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1054	0.7454	1.4153	1.8600e-003	0.0548	0.0147	0.0695	0.0156	0.0135	0.0291	0.0000	165.8155	165.8155	1.0800e-003	0.0000	165.8382
Worker	0.1155	0.1647	1.5633	2.8900e-003	0.2499	1.6100e-003	0.2515	0.0663	1.4800e-003	0.0678	0.0000	204.6131	204.6131	0.0123	0.0000	204.8708
Total	**0.2209**	**0.9101**	**2.9786**	**4.7500e-003**	**0.3047**	**0.0163**	**0.3210**	**0.0819**	**0.0150**	**0.0969**	**0.0000**	**370.4286**	**370.4286**	**0.0134**	**0.0000**	**370.7090**

3.3 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6783	6.0982	4.5306	7.3200e-003		0.3547	0.3547		0.3339	0.3339	0.0000	649.1747	649.1747	0.1640	0.0000	652.6195
Total	**0.6783**	**6.0982**	**4.5306**	**7.3200e-003**		**0.3547**	**0.3547**		**0.3339**	**0.3339**	**0.0000**	**649.1747**	**649.1747**	**0.1640**	**0.0000**	**652.6195**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1636	1.1784	2.2991	3.2300e-003	0.0953	0.0240	0.1193	0.0271	0.0220	0.0491	0.0000	283.3421	283.3421	1.8500e-003	0.0000	283.3809
Worker	0.1814	0.2626	2.4741	5.0300e-003	0.4348	2.7500e-003	0.4375	0.1154	2.5400e-003	0.1180	0.0000	342.2834	342.2834	0.0199	0.0000	342.7017
Total	**0.3450**	**1.4409**	**4.7732**	**8.2600e-003**	**0.5301**	**0.0267**	**0.5568**	**0.1425**	**0.0246**	**0.1671**	**0.0000**	**625.6254**	**625.6254**	**0.0218**	**0.0000**	**626.0826**

3.3 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6783	4.8785	4.5306	7.3200e-003		0.3547	0.3547		0.3339	0.3339	0.0000	649.1739	649.1739	0.1640	0.0000	652.6187
Total	**0.6783**	**4.8785**	**4.5306**	**7.3200e-003**		**0.3547**	**0.3547**		**0.3339**	**0.3339**	**0.0000**	**649.1739**	**649.1739**	**0.1640**	**0.0000**	**652.6187**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1636	1.1784	2.2991	3.2300e-003	0.0953	0.0240	0.1193	0.0271	0.0220	0.0491	0.0000	283.3421	283.3421	1.8500e-003	0.0000	283.3809
Worker	0.1814	0.2626	2.4741	5.0300e-003	0.4348	2.7500e-003	0.4375	0.1154	2.5400e-003	0.1180	0.0000	342.2834	342.2834	0.0199	0.0000	342.7017
Total	**0.3450**	**1.4409**	**4.7732**	**8.2600e-003**	**0.5301**	**0.0267**	**0.5568**	**0.1425**	**0.0246**	**0.1671**	**0.0000**	**625.6254**	**625.6254**	**0.0218**	**0.0000**	**626.0826**

3.3 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6103	5.5290	4.4655	7.3200e-003		0.3128	0.3128		0.2944	0.2944	0.0000	641.7004	641.7004	0.1619	0.0000	645.1009
Total	**0.6103**	**5.5290**	**4.4655**	**7.3200e-003**		**0.3128**	**0.3128**		**0.2944**	**0.2944**	**0.0000**	**641.7004**	**641.7004**	**0.1619**	**0.0000**	**645.1009**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1499	1.0772	2.1800	3.2200e-003	0.0953	0.0223	0.1175	0.0271	0.0205	0.0475	0.0000	278.2796	278.2796	1.8200e-003	0.0000	278.3177
Worker	0.1666	0.2425	2.2893	5.0200e-003	0.4348	2.7500e-003	0.4375	0.1154	2.5500e-003	0.1180	0.0000	329.4326	329.4326	0.0188	0.0000	329.8280
Total	**0.3165**	**1.3197**	**4.4693**	**8.2400e-003**	**0.5301**	**0.0250**	**0.5551**	**0.1425**	**0.0230**	**0.1655**	**0.0000**	**607.7122**	**607.7122**	**0.0207**	**0.0000**	**608.1457**

3.3 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6103	4.4232	4.4655	7.3200e-003		0.3128	0.3128		0.2944	0.2944	0.0000	641.6997	641.6997	0.1619	0.0000	645.1001
Total	**0.6103**	**4.4232**	**4.4655**	**7.3200e-003**		**0.3128**	**0.3128**		**0.2944**	**0.2944**	**0.0000**	**641.6997**	**641.6997**	**0.1619**	**0.0000**	**645.1001**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1499	1.0772	2.1800	3.2200e-003	0.0953	0.0223	0.1175	0.0271	0.0205	0.0475	0.0000	278.2796	278.2796	1.8200e-003	0.0000	278.3177
Worker	0.1666	0.2425	2.2893	5.0200e-003	0.4348	2.7500e-003	0.4375	0.1154	2.5500e-003	0.1180	0.0000	329.4326	329.4326	0.0188	0.0000	329.8280
Total	**0.3165**	**1.3197**	**4.4693**	**8.2400e-003**	**0.5301**	**0.0250**	**0.5551**	**0.1425**	**0.0230**	**0.1655**	**0.0000**	**607.7122**	**607.7122**	**0.0207**	**0.0000**	**608.1457**

3.3 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5619	5.0834	4.4338	7.3500e-003		0.2805	0.2805		0.2638	0.2638	0.0000	634.1181	634.1181	0.1608	0.0000	637.4955
Total	**0.5619**	**5.0834**	**4.4338**	**7.3500e-003**		**0.2805**	**0.2805**		**0.2638**	**0.2638**	**0.0000**	**634.1181**	**634.1181**	**0.1608**	**0.0000**	**637.4955**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1290	0.9196	2.0087	3.2300e-003	0.0956	0.0201	0.1157	0.0271	0.0185	0.0456	0.0000	272.7136	272.7136	1.7500e-003	0.0000	272.7504
Worker	0.1560	0.2281	2.1487	5.0400e-003	0.4364	2.7700e-003	0.4392	0.1159	2.5700e-003	0.1184	0.0000	317.2695	317.2695	0.0180	0.0000	317.6478
Total	**0.2849**	**1.1477**	**4.1574**	**8.2700e-003**	**0.5320**	**0.0228**	**0.5549**	**0.1430**	**0.0210**	**0.1640**	**0.0000**	**589.9831**	**589.9831**	**0.0198**	**0.0000**	**590.3982**

3.3 Building Construction - 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	0.5619	4.0667	4.4338	7.3500e-003		0.2805	0.2805		0.2638	0.2638	0.0000	634.1174	634.1174	0.1608	0.0000	637.4947
Total	**0.5619**	**4.0667**	**4.4338**	**7.3500e-003**		**0.2805**	**0.2805**		**0.2638**	**0.2638**	**0.0000**	**634.1174**	**634.1174**	**0.1608**	**0.0000**	**637.4947**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1290	0.9196	2.0087	3.2300e-003	0.0956	0.0201	0.1157	0.0271	0.0185	0.0456	0.0000	272.7136	272.7136	1.7500e-003	0.0000	272.7504
Worker	0.1560	0.2281	2.1487	5.0400e-003	0.4364	2.7700e-003	0.4392	0.1159	2.5700e-003	0.1184	0.0000	317.2695	317.2695	0.0180	0.0000	317.6478
Total	**0.2849**	**1.1477**	**4.1574**	**8.2700e-003**	**0.5320**	**0.0228**	**0.5549**	**0.1430**	**0.0210**	**0.1640**	**0.0000**	**589.9831**	**589.9831**	**0.0198**	**0.0000**	**590.3982**

3.3 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	0.5052	4.5572	4.3687	7.3200e-003		0.2431	0.2431		0.2286	0.2286	0.0000	631.6535	631.6535	0.1587	0.0000	634.9859
Total	**0.5052**	**4.5572**	**4.3687**	**7.3200e-003**		**0.2431**	**0.2431**		**0.2286**	**0.2286**	**0.0000**	**631.6535**	**631.6535**	**0.1587**	**0.0000**	**634.9859**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1195	0.7558	1.9152	3.2100e-003	0.0952	0.0174	0.1126	0.0270	0.0160	0.0430	0.0000	271.2965	271.2965	1.7600e-003	0.0000	271.3335
Worker	0.1472	0.2155	2.0388	5.0300e-003	0.4348	2.7900e-003	0.4376	0.1154	2.5900e-003	0.1180	0.0000	311.4063	311.4063	0.0174	0.0000	311.7725
Total	**0.2667**	**0.9713**	**3.9540**	**8.2400e-003**	**0.5300**	**0.0202**	**0.5502**	**0.1425**	**0.0186**	**0.1611**	**0.0000**	**582.7028**	**582.7028**	**0.0192**	**0.0000**	**583.1059**

3.3 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5052	3.6458	4.3687	7.3200e-003		0.2431	0.2431		0.2286	0.2286	0.0000	631.6527	631.6527	0.1587	0.0000	634.9852
Total	**0.5052**	**3.6458**	**4.3687**	**7.3200e-003**		**0.2431**	**0.2431**		**0.2286**	**0.2286**	**0.0000**	**631.6527**	**631.6527**	**0.1587**	**0.0000**	**634.9852**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1195	0.7558	1.9152	3.2100e-003	0.0952	0.0174	0.1126	0.0270	0.0160	0.0430	0.0000	271.2965	271.2965	1.7600e-003	0.0000	271.3335
Worker	0.1472	0.2155	2.0388	5.0300e-003	0.4348	2.7900e-003	0.4376	0.1154	2.5900e-003	0.1180	0.0000	311.4063	311.4063	0.0174	0.0000	311.7725
Total	**0.2667**	**0.9713**	**3.9540**	**8.2400e-003**	**0.5300**	**0.0202**	**0.5502**	**0.1425**	**0.0186**	**0.1611**	**0.0000**	**582.7028**	**582.7028**	**0.0192**	**0.0000**	**583.1059**

3.3 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	0.4542	4.0046	4.3078	7.3000e-003		0.2093	0.2093		0.1969	0.1969	0.0000	629.2945	629.2945	0.1572	0.0000	632.5960
Total	**0.4542**	**4.0046**	**4.3078**	**7.3000e-003**		**0.2093**	**0.2093**		**0.1969**	**0.1969**	**0.0000**	**629.2945**	**629.2945**	**0.1572**	**0.0000**	**632.5960**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1156	0.6772	1.8740	3.1900e-003	0.0948	0.0171	0.1119	0.0269	0.0157	0.0426	0.0000	269.9130	269.9130	1.7900e-003	0.0000	269.9505
Worker	0.1399	0.2061	1.9350	5.0100e-003	0.4331	2.7900e-003	0.4359	0.1150	2.5900e-003	0.1176	0.0000	305.6496	305.6496	0.0169	0.0000	306.0041
Total	**0.2555**	**0.8833**	**3.8089**	**8.2000e-003**	**0.5280**	**0.0199**	**0.5478**	**0.1419**	**0.0183**	**0.1602**	**0.0000**	**575.5626**	**575.5626**	**0.0187**	**0.0000**	**575.9547**

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4542	3.2037	4.3078	7.3000e-003		0.2093	0.2093		0.1969	0.1969	0.0000	629.2937	629.2937	0.1572	0.0000	632.5953
Total	**0.4542**	**3.2037**	**4.3078**	**7.3000e-003**		**0.2093**	**0.2093**		**0.1969**	**0.1969**	**0.0000**	**629.2937**	**629.2937**	**0.1572**	**0.0000**	**632.5953**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.1156	0.6772	1.8740	3.1900e-003	0.0948	0.0171	0.1119	0.0269	0.0157	0.0426	0.0000	269.9130	269.9130	1.7900e-003	0.0000	269.9505
Worker	0.1399	0.2061	1.9350	5.0100e-003	0.4331	2.7900e-003	0.4359	0.1150	2.5900e-003	0.1176	0.0000	305.6496	305.6496	0.0169	0.0000	306.0041
Total	**0.2555**	**0.8833**	**3.8089**	**8.2000e-003**	**0.5280**	**0.0199**	**0.5478**	**0.1419**	**0.0183**	**0.1602**	**0.0000**	**575.5626**	**575.5626**	**0.0187**	**0.0000**	**575.9547**

3.3 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	0.2367	2.0589	2.3910	4.0700e-003		0.1043	0.1043		0.0980	0.0980	0.0000	350.9678	350.9678	0.0871	0.0000	352.7970
Total	**0.2367**	**2.0589**	**2.3910**	**4.0700e-003**		**0.1043**	**0.1043**		**0.0980**	**0.0980**	**0.0000**	**350.9678**	**350.9678**	**0.0871**	**0.0000**	**352.7970**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0602	0.3328	1.0058	1.7700e-003	0.0529	9.1300e-003	0.0620	0.0150	8.4000e-003	0.0234	0.0000	150.1504	150.1504	9.4000e-004	0.0000	150.1701
Worker	0.0747	0.1109	1.0316	2.7900e-003	0.2415	1.5600e-003	0.2431	0.0641	1.4500e-003	0.0656	0.0000	168.1966	168.1966	9.1800e-003	0.0000	168.3895
Total	**0.1350**	**0.4437**	**2.0374**	**4.5600e-003**	**0.2944**	**0.0107**	**0.3051**	**0.0791**	**9.8500e-003**	**0.0890**	**0.0000**	**318.3470**	**318.3470**	**0.0101**	**0.0000**	**318.5596**

3.3 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2367	1.6471	2.3910	4.0700e-003		0.1043	0.1043		0.0980	0.0980	0.0000	350.9674	350.9674	0.0871	0.0000	352.7966
Total	**0.2367**	**1.6471**	**2.3910**	**4.0700e-003**		**0.1043**	**0.1043**		**0.0980**	**0.0980**	**0.0000**	**350.9674**	**350.9674**	**0.0871**	**0.0000**	**352.7966**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0602	0.3328	1.0058	1.7700e-003	0.0529	9.1300e-003	0.0620	0.0150	8.4000e-003	0.0234	0.0000	150.1504	150.1504	9.4000e-004	0.0000	150.1701
Worker	0.0747	0.1109	1.0316	2.7900e-003	0.2415	1.5600e-003	0.2431	0.0641	1.4500e-003	0.0656	0.0000	168.1966	168.1966	9.1800e-003	0.0000	168.3895
Total	**0.1350**	**0.4437**	**2.0374**	**4.5600e-003**	**0.2944**	**0.0107**	**0.3051**	**0.0791**	**9.8500e-003**	**0.0890**	**0.0000**	**318.3470**	**318.3470**	**0.0101**	**0.0000**	**318.5596**

3.4 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1013	0.9409	1.1295	1.7400e-003		0.0496	0.0496		0.0461	0.0461	0.0000	151.5053	151.5053	0.0422	0.0000	152.3921
Paving	0.0183					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1196**	**0.9409**	**1.1295**	**1.7400e-003**		**0.0496**	**0.0496**		**0.0461**	**0.0461**	**0.0000**	**151.5053**	**151.5053**	**0.0422**	**0.0000**	**152.3921**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.1100e-003	3.1300e-003	0.0291	8.0000e-005	6.8200e-003	4.0000e-005	6.8600e-003	1.8100e-003	4.0000e-005	1.8500e-003	0.0000	4.7493	4.7493	2.6000e-004	0.0000	4.7547
Total	**2.1100e-003**	**3.1300e-003**	**0.0291**	**8.0000e-005**	**6.8200e-003**	**4.0000e-005**	**6.8600e-003**	**1.8100e-003**	**4.0000e-005**	**1.8500e-003**	**0.0000**	**4.7493**	**4.7493**	**2.6000e-004**	**0.0000**	**4.7547**

3.4 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1013	0.7527	1.1295	1.7400e-003		0.0496	0.0496		0.0461	0.0461	0.0000	151.5051	151.5051	0.0422	0.0000	152.3919
Paving	0.0183					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1196**	**0.7527**	**1.1295**	**1.7400e-003**		**0.0496**	**0.0496**		**0.0461**	**0.0461**	**0.0000**	**151.5051**	**151.5051**	**0.0422**	**0.0000**	**152.3919**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.1100e-003	3.1300e-003	0.0291	8.0000e-005	6.8200e-003	4.0000e-005	6.8600e-003	1.8100e-003	4.0000e-005	1.8500e-003	0.0000	4.7493	4.7493	2.6000e-004	0.0000	4.7547
Total	**2.1100e-003**	**3.1300e-003**	**0.0291**	**8.0000e-005**	**6.8200e-003**	**4.0000e-005**	**6.8600e-003**	**1.8100e-003**	**4.0000e-005**	**1.8500e-003**	**0.0000**	**4.7493**	**4.7493**	**2.6000e-004**	**0.0000**	**4.7547**

3.5 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	0.1328					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4000e-004	4.2400e-003	6.5400e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	0.9105	0.9105	1.3000e-004	0.0000	0.9132
Total	**0.1333**	**4.2400e-003**	**6.5400e-003**	**1.0000e-005**		**1.9000e-004**	**1.9000e-004**		**1.9000e-004**	**1.9000e-004**	**0.0000**	**0.9105**	**0.9105**	**1.3000e-004**	**0.0000**	**0.9132**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.0700e-003	3.0700e-003	0.0286	8.0000e-005	0.0241	4.0000e-005	0.0242	6.0600e-003	4.0000e-005	6.1000e-003	0.0000	4.6629	4.6629	2.5000e-004	0.0000	4.6683
Total	**2.0700e-003**	**3.0700e-003**	**0.0286**	**8.0000e-005**	**0.0241**	**4.0000e-005**	**0.0242**	**6.0600e-003**	**4.0000e-005**	**6.1000e-003**	**0.0000**	**4.6629**	**4.6629**	**2.5000e-004**	**0.0000**	**4.6683**

3.5 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1328					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4000e-004	3.3900e-003	6.5400e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	0.9105	0.9105	1.3000e-004	0.0000	0.9132
Total	**0.1333**	**3.3900e-003**	**6.5400e-003**	**1.0000e-005**		**1.9000e-004**	**1.9000e-004**		**1.9000e-004**	**1.9000e-004**	**0.0000**	**0.9105**	**0.9105**	**1.3000e-004**	**0.0000**	**0.9132**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.0700e-003	3.0700e-003	0.0286	8.0000e-005	0.0241	4.0000e-005	0.0242	6.0600e-003	4.0000e-005	6.1000e-003	0.0000	4.6629	4.6629	2.5000e-004	0.0000	4.6683
Total	**2.0700e-003**	**3.0700e-003**	**0.0286**	**8.0000e-005**	**0.0241**	**4.0000e-005**	**0.0242**	**6.0600e-003**	**4.0000e-005**	**6.1000e-003**	**0.0000**	**4.6629**	**4.6629**	**2.5000e-004**	**0.0000**	**4.6683**

3.5 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.7879					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.0844	0.1374	2.2000e-004		3.5500e-003	3.5500e-003		3.5200e-003	3.5200e-003	0.0000	19.1212	19.1212	2.6000e-003	0.0000	19.1759
Total	**2.7987**	**0.0844**	**0.1374**	**2.2000e-004**		**3.5500e-003**	**3.5500e-003**		**3.5200e-003**	**3.5200e-003**	**0.0000**	**19.1212**	**19.1212**	**2.6000e-003**	**0.0000**	**19.1759**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0422	0.0629	0.5879	1.6400e-003	0.5066	9.4000e-004	0.5076	0.1272	8.7000e-004	0.1280	0.0000	97.9277	97.9277	5.3500e-003	0.0000	98.0401
Total	**0.0422**	**0.0629**	**0.5879**	**1.6400e-003**	**0.5066**	**9.4000e-004**	**0.5076**	**0.1272**	**8.7000e-004**	**0.1280**	**0.0000**	**97.9277**	**97.9277**	**5.3500e-003**	**0.0000**	**98.0401**

3.5 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.7879					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.0675	0.1374	2.2000e-004		3.5500e-003	3.5500e-003		3.5200e-003	3.5200e-003	0.0000	19.1212	19.1212	2.6000e-003	0.0000	19.1759
Total	**2.7987**	**0.0675**	**0.1374**	**2.2000e-004**		**3.5500e-003**	**3.5500e-003**		**3.5200e-003**	**3.5200e-003**	**0.0000**	**19.1212**	**19.1212**	**2.6000e-003**	**0.0000**	**19.1759**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0422	0.0629	0.5879	1.6400e-003	0.5066	9.4000e-004	0.5076	0.1272	8.7000e-004	0.1280	0.0000	97.9277	97.9277	5.3500e-003	0.0000	98.0401
Total	**0.0422**	**0.0629**	**0.5879**	**1.6400e-003**	**0.5066**	**9.4000e-004**	**0.5076**	**0.1272**	**8.7000e-004**	**0.1280**	**0.0000**	**97.9277**	**97.9277**	**5.3500e-003**	**0.0000**	**98.0401**

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	4.1026	8.2007	43.6210	0.0900	5.7775	0.1709	5.9483	1.5434	0.1575	1.7009	0.0000	6,061.2529	6,061.2529	0.2248	0.0000	6,065.9731
Unmitigated	4.1026	8.2007	43.6210	0.0900	5.7775	0.1709	5.9483	1.5434	0.1575	1.7009	0.0000	6,061.2529	6,061.2529	0.2248	0.0000	6,065.9731

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	197.70	214.80	182.10	442,719	442,719
Junior College (2Yr)	9,648.00	3,376.80	321.60	12,134,005	12,134,005
Library	1,639.80	1,396.50	764.70	2,547,548	2,547,548
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	11,485.50	4,988.10	1,268.40	15,124,272	15,124,272

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
Apartments Low Rise	11.00	3.50	4.50	40.20	19.20	40.60	86	11	3
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1
Library	12.50	4.20	5.40	52.00	43.00	5.00	44	44	12
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Parking Lot	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.467876	0.065956	0.172405	0.161468	0.036746	0.005953	0.010744	0.069773	0.001331	0.001228	0.003449	0.000500	0.002571

5.0 Energy Detail

4.4 Fleet Mix

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	923.2301	923.2301	0.0424	8.7800e-003	926.8432
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	923.2301	923.2301	0.0424	8.7800e-003	926.8432
NaturalGas Mitigated	0.0280	0.2534	0.2050	1.5300e-003		0.0194	0.0194		0.0194	0.0194	0.0000	277.1378	277.1378	5.3100e-003	5.0800e-003	278.8244
NaturalGas Unmitigated	0.0280	0.2534	0.2050	1.5300e-003		0.0194	0.0194		0.0194	0.0194	0.0000	277.1378	277.1378	5.3100e-003	5.0800e-003	278.8244

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					
Apartments Low Rise	411666	2.2200e-003	0.0190	8.0700e-003	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.9681	21.9681	4.2000e-004	4.0000e-004	22.1018
Junior College (2Yr)	3.783e+006	0.0204	0.1854	0.1558	1.1100e-003		0.0141	0.0141		0.0141	0.0141	0.0000	201.8753	201.8753	3.8700e-003	3.7000e-003	203.1039
Library	998700	5.3900e-003	0.0490	0.0411	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003	0.0000	53.2944	53.2944	1.0200e-003	9.8000e-004	53.6188
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0280**	**0.2534**	**0.2050**	**1.5200e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**277.1378**	**277.1378**	**5.3100e-003**	**5.0800e-003**	**278.8244**

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					
Junior College (2Yr)	3.783e+006	0.0204	0.1854	0.1558	1.1100e-003		0.0141	0.0141		0.0141	0.0141	0.0000	201.8753	201.8753	3.8700e-003	3.7000e-003	203.1039
Library	998700	5.3900e-003	0.0490	0.0411	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003	0.0000	53.2944	53.2944	1.0200e-003	9.8000e-004	53.6188
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Low Rise	411666	2.2200e-003	0.0190	8.0700e-003	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	21.9681	21.9681	4.2000e-004	4.0000e-004	22.1018
Total		**0.0280**	**0.2534**	**0.2050**	**1.5200e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**277.1378**	**277.1378**	**5.3100e-003**	**5.0800e-003**	**278.8244**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	122335	35.0081	1.6100e-003	3.3000e-004	35.1451
Junior College (2Yr)	2.3036e+006	659.2141	0.0303	6.2700e-003	661.7939
Library	332100	95.0360	4.3700e-003	9.0000e-004	95.4080
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	468160	133.9719	6.1600e-003	1.2700e-003	134.4962
Total		**923.2301**	**0.0424**	**8.7700e-003**	**926.8432**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	122335	35.0081	1.6100e-003	3.3000e-004	35.1451
Junior College (2Yr)	2.3036e+006	659.2141	0.0303	6.2700e-003	661.7939
Library	332100	95.0360	4.3700e-003	9.0000e-004	95.4080
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	468160	133.9719	6.1600e-003	1.2700e-003	134.4962
Total		**923.2301**	**0.0424**	**8.7700e-003**	**926.8432**

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	4.1348	3.3400e-003	0.3090	2.0000e-005		4.8400e-003	4.8400e-003		4.8100e-003	4.8100e-003	0.0000	47.7909	47.7909	1.6900e-003	8.7000e-004	48.0950
Unmitigated	4.1348	3.3400e-003	0.3090	2.0000e-005		4.8400e-003	4.8400e-003		4.8100e-003	4.8100e-003	0.0000	47.7909	47.7909	1.6900e-003	8.7000e-004	48.0950

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	0.4868					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.6287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	4.7800e-003	0.0000	2.6000e-004	0.0000		3.3000e-003	3.3000e-003		3.2600e-003	3.2600e-003	0.0000	47.2590	47.2590	9.1000e-004	8.7000e-004	47.5466
Landscaping	0.0146	3.3400e-003	0.3087	2.0000e-005		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003	0.0000	0.5319	0.5319	7.9000e-004	0.0000	0.5484
Total	**4.1349**	**3.3400e-003**	**0.3090**	**2.0000e-005**		**4.8400e-003**	**4.8400e-003**		**4.8000e-003**	**4.8000e-003**	**0.0000**	**47.7909**	**47.7909**	**1.7000e-003**	**8.7000e-004**	**48.0950**

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	0.4868					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.6287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	4.7800e-003	0.0000	2.6000e-004	0.0000		3.3000e-003	3.3000e-003		3.2600e-003	3.2600e-003	0.0000	47.2590	47.2590	9.1000e-004	8.7000e-004	47.5466
Landscaping	0.0146	3.3400e-003	0.3087	2.0000e-005		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003	0.0000	0.5319	0.5319	7.9000e-004	0.0000	0.5484
Total	**4.1349**	**3.3400e-003**	**0.3090**	**2.0000e-005**		**4.8400e-003**	**4.8400e-003**		**4.8000e-003**	**4.8000e-003**	**0.0000**	**47.7909**	**47.7909**	**1.7000e-003**	**8.7000e-004**	**48.0950**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	175.4933	0.6629	0.0171	194.7004
Unmitigated	175.4933	0.6630	0.0171	194.7106

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	1.95462 / 1.23226	11.8211	0.0642	1.6100e-003	13.6687
Junior College (2Yr)	17.2144 / 26.9252	155.2090	0.5678	0.0147	171.6805
Library	0.938667 / 1.46817	8.4632	0.0310	8.0000e-004	9.3614
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**175.4933**	**0.6630**	**0.0171**	**194.7106**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	1.95462 / 1.23226	11.8211	0.0642	1.6100e-003	13.6677
Junior College (2Yr)	17.2144 / 26.9252	155.2090	0.5677	0.0147	171.6718
Library	0.938667 / 1.46817	8.4632	0.0310	8.0000e-004	9.3609
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**175.4933**	**0.6629**	**0.0171**	**194.7004**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	306.2586	18.0994	0.0000	686.3452
Unmitigated	306.2586	18.0994	0.0000	686.3452

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	13.8	2.8013	0.1656	0.0000	6.2778
Junior College (2Yr)	1467.3	297.8486	17.6024	0.0000	667.4980
Library	27.63	5.6086	0.3315	0.0000	12.5693
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**306.2586**	**18.0994**	**0.0000**	**686.3452**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	13.8	2.8013	0.1656	0.0000	6.2778
Junior College (2Yr)	1467.3	297.8486	17.6024	0.0000	667.4980
Library	27.63	5.6086	0.3315	0.0000	12.5693
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**306.2586**	**18.0994**	**0.0000**	**686.3452**

9.0 Operational Offroad

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

10.0 Vegetation

N. Palm Springs Site Alternative Buildout

Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	8,040.00	Student	10.70	260,000.00	0
Library	30.00	1000sqft	0.69	30,000.00	0
Other Asphalt Surfaces	2.00	Acre	2.00	87,120.00	0
Parking Lot	1,330.00	Space	11.97	532,000.00	0
Apartments Low Rise	30.00	Dwelling Unit	3.75	20,000.00	60

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)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - North Palm Springs site, no demolition required, includes 30 dorms, assumes 29.11 acres.

Construction Phase - Assumes a 8 year buildout for AQ analysis purposes (buildout at 2025). Actual development will likely occur gradually with full buildout closer to 2030.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT - Hauling trips based on demo estimate from Demo Unlimited Inc. plus the additional 33 trips for 500 tons of concrete debris.

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition -

Grading - Assumes same amount of material import as proposed project, for analysis purposes.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Trip rate was adjusted to reflect results of Traffic Report. Library = 1,640 daily trips: [30 (1,000s) SF x 54.66]

Road Dust - All roads are paved.

Woodstoves - No woodstoves/fireplaces.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	3.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00

tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstructionPhase	NumDays	35.00	110.00
tblConstructionPhase	NumDays	440.00	1,600.00
tblConstructionPhase	NumDays	45.00	60.00
tblConstructionPhase	NumDays	35.00	110.00
tblFireplaces	FireplaceWoodMass	457.60	0.00
tblFireplaces	NumberGas	30.00	60.00
tblGrading	AcresOfGrading	90.00	29.11
tblGrading	MaterialImported	0.00	40,000.00
tblLandUse	LandUseSquareFeet	350,963.99	260,000.00
tblLandUse	LandUseSquareFeet	30,000.00	20,000.00
tblLandUse	LotAcreage	8.06	10.70
tblLandUse	LotAcreage	1.88	3.75
tblLandUse	Population	97.00	60.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
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tblOffRoadEquipment	UsageHours	8.00	6.00
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	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	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
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblRoadDust	RoadPercentPave	50	100
tblTripsAndVMT	HaulingTripNumber	5,000.00	1,250.00
tblTripsAndVMT	WorkerTripNumber	33.00	20.00
tblTripsAndVMT	WorkerTripNumber	28.00	15.00
tblVehicleTrips	WD_TR	56.24	54.66
tblWoodstoves	NumberCatalytic	1.50	3.00
tblWoodstoves	NumberNoncatalytic	1.50	3.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	9.3378	65.7006	76.7502	0.1204	5.6960	3.4555	9.0792	2.7028	3.2455	5.8167	0.0000	11,060.5054	11,060.5054	1.6013	0.0000	11,094.1323
2018	8.1583	57.2248	72.2664	0.1203	4.1097	2.9217	7.0314	1.1036	2.7462	3.8498	0.0000	10,834.3926	10,834.3926	1.5692	0.0000	10,867.3452
2019	7.3909	51.9908	69.2196	0.1202	4.1093	2.5875	6.6969	1.1034	2.4310	3.5345	0.0000	10,617.9288	10,617.9288	1.5418	0.0000	10,650.3068
2020	6.7267	47.1527	66.0626	0.1201	4.1090	2.3150	6.4240	1.1033	2.1737	3.2770	0.0000	10,362.4414	10,362.4414	1.5193	0.0000	10,394.3459
2021	6.1577	42.0190	64.1085	0.1201	4.1089	2.0169	6.1258	1.1033	1.8934	2.9967	0.0000	10,318.7040	10,318.7040	1.5022	0.0000	10,350.2504
2022	5.6855	37.2859	62.6920	0.1201	4.1087	1.7624	5.8712	1.1032	1.6545	2.7577	0.0000	10,276.8669	10,276.8669	1.4910	0.0000	10,308.1783
2023	54.3316	34.2466	61.3063	0.1200	9.7788	1.5859	9.8738	2.4539	1.4877	2.5908	0.0000	10,236.3451	10,236.3451	1.4779	0.0000	10,267.3815
2024	54.2866	2.7270	15.0850	0.0362	9.7788	0.0855	9.8644	2.4539	0.0837	2.5376	0.0000	2,496.8061	2,496.8061	0.1670	0.0000	2,500.3134
Total	**152.0752**	**338.3474**	**487.4906**	**0.8772**	**45.7992**	**16.7305**	**60.9664**	**13.1273**	**15.7157**	**27.3607**	**0.0000**	**76,203.9901**	**76,203.9901**	**10.8697**	**0.0000**	**76,432.2538**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	9.3378	54.8646	76.7502	0.1204	4.1100	3.4555	7.5656	1.1422	3.2455	4.3492	0.0000	11,060.5054	11,060.5054	1.6013	0.0000	11,094.1323
2018	8.1583	47.8790	72.2664	0.1203	4.1097	2.9217	7.0314	1.1036	2.7462	3.8498	0.0000	10,834.3925	10,834.3925	1.5692	0.0000	10,867.3452
2019	7.3909	43.5173	69.2196	0.1202	4.1093	2.5875	6.6969	1.1034	2.4310	3.5345	0.0000	10,617.9287	10,617.9287	1.5418	0.0000	10,650.3067
2020	6.7267	39.3919	66.0626	0.1201	4.1090	2.3150	6.4240	1.1033	2.1737	3.2770	0.0000	10,362.4414	10,362.4414	1.5193	0.0000	10,394.3459
2021	6.1577	35.0348	64.1085	0.1201	4.1089	2.0169	6.1258	1.1033	1.8934	2.9967	0.0000	10,318.7040	10,318.7040	1.5022	0.0000	10,350.2504
2022	5.6855	31.1250	62.6920	0.1201	4.1087	1.7624	5.8712	1.1032	1.6545	2.7577	0.0000	10,276.8669	10,276.8669	1.4910	0.0000	10,308.1783
2023	54.3316	28.5670	61.3063	0.1200	9.7788	1.5859	9.8738	2.4539	1.4877	2.5908	0.0000	10,236.3450	10,236.3450	1.4779	0.0000	10,267.3815
2024	54.2866	2.4055	15.0850	0.0362	9.7788	0.0855	9.8644	2.4539	0.0837	2.5376	0.0000	2,496.8061	2,496.8061	0.1670	0.0000	2,500.3134
Total	**152.0752**	**282.7850**	**487.4906**	**0.8772**	**44.2132**	**16.7305**	**59.4528**	**11.5667**	**15.7157**	**25.8933**	**0.0000**	**76,203.9900**	**76,203.9900**	**10.8697**	**0.0000**	**76,432.2537**

	ROG	NOx	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**	**16.42**	**0.00**	**0.00**	**3.46**	**0.00**	**2.48**	**11.89**	**0.00**	**5.36**	**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	22.8293	0.0372	3.4365	2.0000e-004		0.0976	0.0976		0.0968	0.0968	0.0000	1,277.1025	1,277.1025	0.0340	0.0233	1,285.0371
Energy	0.1534	1.3883	1.1231	8.3700e-003		0.1060	0.1060		0.1060	0.1060		1,673.9294	1,673.9294	0.0321	0.0307	1,684.1167
Mobile	33.4173	54.2590	308.4024	0.6335	40.5239	1.1831	41.7070	10.8151	1.0907	11.9057		46,985.2446	46,985.2446	1.7171		47,021.3031
Total	**56.4000**	**55.6844**	**312.9620**	**0.6420**	**40.5239**	**1.3867**	**41.9106**	**10.8151**	**1.2934**	**12.1085**	**0.0000**	**49,936.2765**	**49,936.2765**	**1.7831**	**0.0540**	**49,990.4569**

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	22.8293	0.0372	3.4365	2.0000e-004		0.0976	0.0976		0.0968	0.0968	0.0000	1,277.1025	1,277.1025	0.0340	0.0233	1,285.0371
Energy	0.1534	1.3883	1.1231	8.3700e-003		0.1060	0.1060		0.1060	0.1060		1,673.9294	1,673.9294	0.0321	0.0307	1,684.1167
Mobile	33.4173	54.2590	308.4024	0.6335	40.5239	1.1831	41.7070	10.8151	1.0907	11.9057		46,985.2446	46,985.2446	1.7171		47,021.3031
Total	**56.4000**	**55.6844**	**312.9620**	**0.6420**	**40.5239**	**1.3867**	**41.9106**	**10.8151**	**1.2934**	**12.1085**	**0.0000**	**49,936.2765**	**49,936.2765**	**1.7831**	**0.0540**	**49,990.4569**

	ROG	NOx	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	Grading	Grading	3/11/2017	6/2/2017	5	60	
2	Building Construction	Building Construction	6/3/2017	7/21/2023	5	1600	
3	Paving	Paving	7/22/2023	12/22/2023	5	110	
4	Architectural Coating	Architectural Coating	12/23/2023	5/24/2024	5	110	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 29.11

Acres of Paving: 0

Residential Indoor: 40,500; Residential Outdoor: 13,500; Non-Residential Indoor: 589,620; Non-Residential Outdoor: 196,540 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40
Demolition	Rubber Tired Loaders	2	6.00	199	0.36

Demolition	Signal Boards	1	6.00	6	0.82
Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42
Grading	Plate Compactors	1	6.00	8	0.43
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45
Paving	Concrete/Industrial Saws	1	6.00	81	0.73

Paving	Graders	1	6.00	174	0.41
Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	1	6.00	6	0.82
Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	13	20.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	403.00	152.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	11	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	81.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	81.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	81.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	81.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					5.1639	0.0000	5.1639	2.5583	0.0000	2.5583			0.0000			0.0000
Off-Road	5.7119	59.9930	38.6036	0.0500		3.2811	3.2811		3.0200	3.0200		5,092.1083	5,092.1083	1.5475		5,124.6054
Total	**5.7119**	**59.9930**	**38.6036**	**0.0500**	**5.1639**	**3.2811**	**8.4449**	**2.5583**	**3.0200**	**5.5783**		**5,092.1083**	**5,092.1083**	**1.5475**		**5,124.6054**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3455	4.1537	4.5730	0.0146	0.3648	0.1011	0.4658	0.1000	0.0929	0.1930		1,446.2413	1,446.2413	7.8900e-003		1,446.4070
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0946	0.1017	1.1586	1.9500e-003	0.1673	1.0600e-003	0.1684	0.0444	9.8000e-004	0.0454		152.0786	152.0786	8.9500e-003		152.2666
Total	**0.4401**	**4.2554**	**5.7316**	**0.0165**	**0.5321**	**0.1021**	**0.6342**	**0.1444**	**0.0939**	**0.2383**		**1,598.3200**	**1,598.3200**	**0.0168**		**1,598.6737**

3.2 Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0139	0.0000	2.0139	0.9978	0.0000	0.9978			0.0000			0.0000
Off-Road	5.7119	47.9944	38.6036	0.0500		3.2811	3.2811		3.0200	3.0200	0.0000	5,092.1083	5,092.1083	1.5475		5,124.6054
Total	**5.7119**	**47.9944**	**38.6036**	**0.0500**	**2.0139**	**3.2811**	**5.2950**	**0.9978**	**3.0200**	**4.0178**	**0.0000**	**5,092.1083**	**5,092.1083**	**1.5475**		**5,124.6054**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3455	4.1537	4.5730	0.0146	0.3648	0.1011	0.4658	0.1000	0.0929	0.1930		1,446.2413	1,446.2413	7.8900e-003		1,446.4070
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0946	0.1017	1.1586	1.9500e-003	0.1673	1.0600e-003	0.1684	0.0444	9.8000e-004	0.0454		152.0786	152.0786	8.9500e-003		152.2666
Total	**0.4401**	**4.2554**	**5.7316**	**0.0165**	**0.5321**	**0.1021**	**0.6342**	**0.1444**	**0.0939**	**0.2383**		**1,598.3200**	**1,598.3200**	**0.0168**		**1,598.6737**

3.3 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.0419	54.1797	35.7363	0.0561		3.2393	3.2393		3.0466	3.0466		5,547.5869	5,547.5869	1.4053		5,577.0987
Total	**6.0419**	**54.1797**	**35.7363**	**0.0561**		**3.2393**	**3.2393**		**3.0466**	**3.0466**		**5,547.5869**	**5,547.5869**	**1.4053**		**5,577.0987**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.3893	9.4714	17.6678	0.0249	0.7383	0.1948	0.9331	0.2094	0.1791	0.3885		2,448.5338	2,448.5338	0.0156		2,448.8614
Worker	1.9066	2.0495	23.3461	0.0393	3.3718	0.0214	3.3932	0.8943	0.0198	0.9141		3,064.3846	3,064.3846	0.1804		3,068.1721
Total	**3.2959**	**11.5209**	**41.0139**	**0.0643**	**4.1100**	**0.2163**	**4.3263**	**1.1037**	**0.1989**	**1.3026**		**5,512.9185**	**5,512.9185**	**0.1960**		**5,517.0336**

3.3 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.0419	43.3437	35.7363	0.0561		3.2393	3.2393		3.0466	3.0466	0.0000	5,547.5869	5,547.5869	1.4053		5,577.0987
Total	**6.0419**	**43.3437**	**35.7363**	**0.0561**		**3.2393**	**3.2393**		**3.0466**	**3.0466**	**0.0000**	**5,547.5869**	**5,547.5869**	**1.4053**		**5,577.0987**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.3893	9.4714	17.6678	0.0249	0.7383	0.1948	0.9331	0.2094	0.1791	0.3885		2,448.5338	2,448.5338	0.0156		2,448.8614
Worker	1.9066	2.0495	23.3461	0.0393	3.3718	0.0214	3.3932	0.8943	0.0198	0.9141		3,064.3846	3,064.3846	0.1804		3,068.1721
Total	**3.2959**	**11.5209**	**41.0139**	**0.0643**	**4.1100**	**0.2163**	**4.3263**	**1.1037**	**0.1989**	**1.3026**		**5,512.9185**	**5,512.9185**	**0.1960**		**5,517.0336**

3.3 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1975	46.7291	34.7172	0.0561		2.7180	2.7180		2.5588	2.5588		5,483.4680	5,483.4680	1.3856		5,512.5659
Total	**5.1975**	**46.7291**	**34.7172**	**0.0561**		**2.7180**	**2.7180**		**2.5588**	**2.5588**		**5,483.4680**	**5,483.4680**	**1.3856**		**5,512.5659**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2373	8.6158	16.3323	0.0249	0.7379	0.1826	0.9205	0.2092	0.1679	0.3772		2,404.6430	2,404.6430	0.0153		2,404.9643
Worker	1.7236	1.8799	21.2169	0.0393	3.3718	0.0211	3.3929	0.8943	0.0195	0.9138		2,946.2815	2,946.2815	0.1683		2,949.8151
Total	**2.9608**	**10.4957**	**37.5492**	**0.0642**	**4.1097**	**0.2037**	**4.3134**	**1.1036**	**0.1874**	**1.2910**		**5,350.9245**	**5,350.9245**	**0.1836**		**5,354.7794**

3.3 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1975	37.3833	34.7172	0.0561		2.7180	2.7180		2.5588	2.5588	0.0000	5,483.4680	5,483.4680	1.3856		5,512.5659
Total	**5.1975**	**37.3833**	**34.7172**	**0.0561**		**2.7180**	**2.7180**		**2.5588**	**2.5588**	**0.0000**	**5,483.4680**	**5,483.4680**	**1.3856**		**5,512.5659**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2373	8.6158	16.3323	0.0249	0.7379	0.1826	0.9205	0.2092	0.1679	0.3772		2,404.6430	2,404.6430	0.0153		2,404.9643
Worker	1.7236	1.8799	21.2169	0.0393	3.3718	0.0211	3.3929	0.8943	0.0195	0.9138		2,946.2815	2,946.2815	0.1683		2,949.8151
Total	**2.9608**	**10.4957**	**37.5492**	**0.0642**	**4.1097**	**0.2037**	**4.3134**	**1.1036**	**0.1874**	**1.2910**		**5,350.9245**	**5,350.9245**	**0.1836**		**5,354.7794**

3.3 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6769	42.3678	34.2182	0.0561		2.3969	2.3969		2.2555	2.2555		5,420.3343	5,420.3343	1.3678		5,449.0575
Total	**4.6769**	**42.3678**	**34.2182**	**0.0561**		**2.3969**	**2.3969**		**2.2555**	**2.2555**		**5,420.3343**	**5,420.3343**	**1.3678**		**5,449.0575**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1324	7.8859	15.3849	0.0248	0.7376	0.1696	0.9071	0.2091	0.1560	0.3651		2,361.7186	2,361.7186	0.0150		2,362.0336
Worker	1.5817	1.7371	19.6165	0.0393	3.3718	0.0211	3.3929	0.8943	0.0196	0.9139		2,835.8759	2,835.8759	0.1590		2,839.2157
Total	**2.7140**	**9.6230**	**35.0014**	**0.0641**	**4.1093**	**0.1907**	**4.3000**	**1.1034**	**0.1755**	**1.2790**		**5,197.5944**	**5,197.5944**	**0.1740**		**5,201.2493**

3.3 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6769	33.8942	34.2182	0.0561		2.3969	2.3969		2.2555	2.2555	0.0000	5,420.3343	5,420.3343	1.3678		5,449.0575
Total	**4.6769**	**33.8942**	**34.2182**	**0.0561**		**2.3969**	**2.3969**		**2.2555**	**2.2555**	**0.0000**	**5,420.3343**	**5,420.3343**	**1.3678**		**5,449.0575**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1324	7.8859	15.3849	0.0248	0.7376	0.1696	0.9071	0.2091	0.1560	0.3651		2,361.7186	2,361.7186	0.0150		2,362.0336
Worker	1.5817	1.7371	19.6165	0.0393	3.3718	0.0211	3.3929	0.8943	0.0196	0.9139		2,835.8759	2,835.8759	0.1590		2,839.2157
Total	**2.7140**	**9.6230**	**35.0014**	**0.0641**	**4.1093**	**0.1907**	**4.3000**	**1.1034**	**0.1755**	**1.2790**		**5,197.5944**	**5,197.5944**	**0.1740**		**5,201.2493**

3.3 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2890	38.8043	33.8459	0.0561		2.1414	2.1414		2.0139	2.0139		5,335.8439	5,335.8439	1.3533		5,364.2631
Total	**4.2890**	**38.8043**	**33.8459**	**0.0561**		**2.1414**	**2.1414**		**2.0139**	**2.0139**		**5,335.8439**	**5,335.8439**	**1.3533**		**5,364.2631**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9665	6.7213	13.8883	0.0247	0.7372	0.1525	0.8897	0.2090	0.1403	0.3492		2,305.7015	2,305.7015	0.0144		2,306.0041
Worker	1.4712	1.6272	18.3283	0.0392	3.3718	0.0211	3.3929	0.8943	0.0196	0.9139		2,720.8960	2,720.8960	0.1516		2,724.0787
Total	**2.4377**	**8.3485**	**32.2166**	**0.0640**	**4.1090**	**0.1736**	**4.2826**	**1.1033**	**0.1599**	**1.2632**		**5,026.5974**	**5,026.5974**	**0.1660**		**5,030.0829**

3.3 Building Construction - 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	4.2890	31.0434	33.8459	0.0561		2.1414	2.1414		2.0139	2.0139	0.0000	5,335.8439	5,335.8439	1.3533		5,364.2631
Total	**4.2890**	**31.0434**	**33.8459**	**0.0561**		**2.1414**	**2.1414**		**2.0139**	**2.0139**	**0.0000**	**5,335.8439**	**5,335.8439**	**1.3533**		**5,364.2631**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9665	6.7213	13.8883	0.0247	0.7372	0.1525	0.8897	0.2090	0.1403	0.3492		2,305.7015	2,305.7015	0.0144		2,306.0041
Worker	1.4712	1.6272	18.3283	0.0392	3.3718	0.0211	3.3929	0.8943	0.0196	0.9139		2,720.8960	2,720.8960	0.1516		2,724.0787
Total	**2.4377**	**8.3485**	**32.2166**	**0.0640**	**4.1090**	**0.1736**	**4.2826**	**1.1033**	**0.1599**	**1.2632**		**5,026.5974**	**5,026.5974**	**0.1660**		**5,030.0829**

3.3 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	3.8712	34.9212	33.4769	0.0561		1.8627	1.8627		1.7514	1.7514		5,335.4696	5,335.4696	1.3404		5,363.6181
Total	**3.8712**	**34.9212**	**33.4769**	**0.0561**		**1.8627**	**1.8627**		**1.7514**	**1.7514**		**5,335.4696**	**5,335.4696**	**1.3404**		**5,363.6181**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.8975	5.5542	13.1887	0.0247	0.7371	0.1328	0.8699	0.2089	0.1222	0.3311		2,302.5286	2,302.5286	0.0145		2,302.8337
Worker	1.3890	1.5436	17.4429	0.0393	3.3718	0.0214	3.3932	0.8943	0.0199	0.9142		2,680.7058	2,680.7058	0.1473		2,683.7986
Total	**2.2865**	**7.0978**	**30.6316**	**0.0640**	**4.1089**	**0.1542**	**4.2631**	**1.1032**	**0.1420**	**1.2453**		**4,983.2344**	**4,983.2344**	**0.1618**		**4,986.6323**

3.3 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8712	27.9370	33.4769	0.0561		1.8627	1.8627		1.7514	1.7514	0.0000	5,335.4696	5,335.4696	1.3404		5,363.6181
Total	**3.8712**	**27.9370**	**33.4769**	**0.0561**		**1.8627**	**1.8627**		**1.7514**	**1.7514**	**0.0000**	**5,335.4696**	**5,335.4696**	**1.3404**		**5,363.6181**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.8975	5.5542	13.1887	0.0247	0.7371	0.1328	0.8699	0.2089	0.1222	0.3311		2,302.5286	2,302.5286	0.0145		2,302.8337
Worker	1.3890	1.5436	17.4429	0.0393	3.3718	0.0214	3.3932	0.8943	0.0199	0.9142		2,680.7058	2,680.7058	0.1473		2,683.7986
Total	**2.2865**	**7.0978**	**30.6316**	**0.0640**	**4.1089**	**0.1542**	**4.2631**	**1.1032**	**0.1420**	**1.2453**		**4,983.2344**	**4,983.2344**	**0.1618**		**4,986.6323**

3.3 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	3.4938	30.8046	33.1368	0.0561		1.6103	1.6103		1.5143	1.5143		5,335.9879	5,335.9879	1.3331		5,363.9827
Total	**3.4938**	**30.8046**	**33.1368**	**0.0561**		**1.6103**	**1.6103**		**1.5143**	**1.5143**		**5,335.9879**	**5,335.9879**	**1.3331**		**5,363.9827**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.8715	4.9999	12.9542	0.0246	0.7369	0.1307	0.8676	0.2088	0.1202	0.3291		2,299.6056	2,299.6056	0.0148		2,299.9162
Worker	1.3202	1.4814	16.6010	0.0393	3.3718	0.0215	3.3933	0.8943	0.0199	0.9143		2,641.2735	2,641.2735	0.1431		2,644.2795
Total	**2.1917**	**6.4813**	**29.5552**	**0.0639**	**4.1087**	**0.1522**	**4.2609**	**1.1032**	**0.1401**	**1.2433**		**4,940.8790**	**4,940.8790**	**0.1579**		**4,944.1956**

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4938	24.6437	33.1368	0.0561		1.6103	1.6103		1.5143	1.5143	0.0000	5,335.9878	5,335.9878	1.3331		5,363.9827
Total	**3.4938**	**24.6437**	**33.1368**	**0.0561**		**1.6103**	**1.6103**		**1.5143**	**1.5143**	**0.0000**	**5,335.9878**	**5,335.9878**	**1.3331**		**5,363.9827**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.8715	4.9999	12.9542	0.0246	0.7369	0.1307	0.8676	0.2088	0.1202	0.3291		2,299.6056	2,299.6056	0.0148		2,299.9162
Worker	1.3202	1.4814	16.6010	0.0393	3.3718	0.0215	3.3933	0.8943	0.0199	0.9143		2,641.2735	2,641.2735	0.1431		2,644.2795
Total	**2.1917**	**6.4813**	**29.5552**	**0.0639**	**4.1087**	**0.1522**	**4.2609**	**1.1032**	**0.1401**	**1.2433**		**4,940.8790**	**4,940.8790**	**0.1579**		**4,944.1956**

3.3 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	3.2647	28.3981	32.9798	0.0561		1.4389	1.4389		1.3523	1.3523		5,336.2173	5,336.2173	1.3244		5,364.0297
Total	**3.2647**	**28.3981**	**32.9798**	**0.0561**		**1.4389**	**1.4389**		**1.3523**	**1.3523**		**5,336.2173**	**5,336.2173**	**1.3244**		**5,364.0297**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.8144	4.4191	12.4743	0.0246	0.7368	0.1255	0.8622	0.2088	0.1154	0.3242		2,293.8815	2,293.8815	0.0139		2,294.1734
Worker	1.2594	1.4294	15.8522	0.0393	3.3718	0.0216	3.3934	0.8943	0.0200	0.9144		2,606.2462	2,606.2462	0.1396		2,609.1783
Total	**2.0738**	**5.8485**	**28.3265**	**0.0638**	**4.1086**	**0.1470**	**4.2556**	**1.1031**	**0.1354**	**1.2386**		**4,900.1277**	**4,900.1277**	**0.1535**		**4,903.3518**

3.3 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2647	22.7185	32.9798	0.0561		1.4389	1.4389		1.3523	1.3523	0.0000	5,336.2173	5,336.2173	1.3244		5,364.0297
Total	**3.2647**	**22.7185**	**32.9798**	**0.0561**		**1.4389**	**1.4389**		**1.3523**	**1.3523**	**0.0000**	**5,336.2173**	**5,336.2173**	**1.3244**		**5,364.0297**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.8144	4.4191	12.4743	0.0246	0.7368	0.1255	0.8622	0.2088	0.1154	0.3242		2,293.8815	2,293.8815	0.0139		2,294.1734
Worker	1.2594	1.4294	15.8522	0.0393	3.3718	0.0216	3.3934	0.8943	0.0200	0.9144		2,606.2462	2,606.2462	0.1396		2,609.1783
Total	**2.0738**	**5.8485**	**28.3265**	**0.0638**	**4.1086**	**0.1470**	**4.2556**	**1.1031**	**0.1354**	**1.2386**		**4,900.1277**	**4,900.1277**	**0.1535**		**4,903.3518**

3.4 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8425	17.1072	20.5363	0.0317		0.9012	0.9012		0.8382	0.8382		3,036.4718	3,036.4718	0.8464		3,054.2461
Paving	0.3327					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1752**	**17.1072**	**20.5363**	**0.0317**		**0.9012**	**0.9012**		**0.8382**	**0.8382**		**3,036.4718**	**3,036.4718**	**0.8464**		**3,054.2461**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0469	0.0532	0.5900	1.4600e-003	0.1255	8.0000e-004	0.1263	0.0333	7.5000e-004	0.0340		97.0067	97.0067	5.2000e-003		97.1158
Total	**0.0469**	**0.0532**	**0.5900**	**1.4600e-003**	**0.1255**	**8.0000e-004**	**0.1263**	**0.0333**	**7.5000e-004**	**0.0340**		**97.0067**	**97.0067**	**5.2000e-003**		**97.1158**

3.4 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8425	13.6858	20.5363	0.0317		0.9012	0.9012		0.8382	0.8382	0.0000	3,036.4718	3,036.4718	0.8464		3,054.2461
Paving	0.3327					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1752**	**13.6858**	**20.5363**	**0.0317**		**0.9012**	**0.9012**		**0.8382**	**0.8382**	**0.0000**	**3,036.4718**	**3,036.4718**	**0.8464**		**3,054.2461**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0469	0.0532	0.5900	1.4600e-003	0.1255	8.0000e-004	0.1263	0.0333	7.5000e-004	0.0340		97.0067	97.0067	5.2000e-003		97.1158
Total	**0.0469**	**0.0532**	**0.5900**	**1.4600e-003**	**0.1255**	**8.0000e-004**	**0.1263**	**0.0333**	**7.5000e-004**	**0.0340**		**97.0067**	**97.0067**	**5.2000e-003**		**97.1158**

3.5 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	53.1019					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2172	1.6966	2.6171	4.2100e-003		0.0776	0.0776		0.0771	0.0771		401.4770	401.4770	0.0557		402.6458
Total	**53.3191**	**1.6966**	**2.6171**	**4.2100e-003**		**0.0776**	**0.0776**		**0.0771**	**0.0771**		**401.4770**	**401.4770**	**0.0557**		**402.6458**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.0125	1.1492	12.7447	0.0316	9.7788	0.0174	9.7962	2.4539	0.0161	2.4700		2,095.3444	2,095.3444	0.1123		2,097.7017
Total	**1.0125**	**1.1492**	**12.7447**	**0.0316**	**9.7788**	**0.0174**	**9.7962**	**2.4539**	**0.0161**	**2.4700**		**2,095.3444**	**2,095.3444**	**0.1123**		**2,097.7017**

3.5 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	53.1019					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2172	1.3573	2.6171	4.2100e-003		0.0776	0.0776		0.0771	0.0771	0.0000	401.4770	401.4770	0.0557		402.6458
Total	**53.3191**	**1.3573**	**2.6171**	**4.2100e-003**		**0.0776**	**0.0776**		**0.0771**	**0.0771**	**0.0000**	**401.4770**	**401.4770**	**0.0557**		**402.6458**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.0125	1.1492	12.7447	0.0316	9.7788	0.0174	9.7962	2.4539	0.0161	2.4700		2,095.3444	2,095.3444	0.1123		2,097.7017
Total	**1.0125**	**1.1492**	**12.7447**	**0.0316**	**9.7788**	**0.0174**	**9.7962**	**2.4539**	**0.0161**	**2.4700**		**2,095.3444**	**2,095.3444**	**0.1123**		**2,097.7017**

3.5 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	53.1019					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2063	1.6073	2.6167	4.2100e-003		0.0677	0.0677		0.0671	0.0671		401.4770	401.4770	0.0547		402.6250
Total	**53.3082**	**1.6073**	**2.6167**	**4.2100e-003**		**0.0677**	**0.0677**		**0.0671**	**0.0671**		**401.4770**	**401.4770**	**0.0547**		**402.6250**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.9784	1.1197	12.4683	0.0319	9.7788	0.0179	9.7967	2.4539	0.0166	2.4705		2,095.3291	2,095.3291	0.1124		2,097.6884
Total	**0.9784**	**1.1197**	**12.4683**	**0.0319**	**9.7788**	**0.0179**	**9.7967**	**2.4539**	**0.0166**	**2.4705**		**2,095.3291**	**2,095.3291**	**0.1124**		**2,097.6884**

3.5 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	53.1019					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2063	1.2858	2.6167	4.2100e-003		0.0677	0.0677		0.0671	0.0671	0.0000	401.4770	401.4770	0.0547		402.6250
Total	**53.3082**	**1.2858**	**2.6167**	**4.2100e-003**		**0.0677**	**0.0677**		**0.0671**	**0.0671**	**0.0000**	**401.4770**	**401.4770**	**0.0547**		**402.6250**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.9784	1.1197	12.4683	0.0319	9.7788	0.0179	9.7967	2.4539	0.0166	2.4705		2,095.3291	2,095.3291	0.1124		2,097.6884
Total	**0.9784**	**1.1197**	**12.4683**	**0.0319**	**9.7788**	**0.0179**	**9.7967**	**2.4539**	**0.0166**	**2.4705**		**2,095.3291**	**2,095.3291**	**0.1124**		**2,097.6884**

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	33.4173	54.2590	308.4024	0.6335	40.5239	1.1831	41.7070	10.8151	1.0907	11.9057		46,985.2446	46,985.2446	1.7171		47,021.3031
Unmitigated	33.4173	54.2590	308.4024	0.6335	40.5239	1.1831	41.7070	10.8151	1.0907	11.9057		46,985.2446	46,985.2446	1.7171		47,021.3031

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	197.70	214.80	182.10	442,719	442,719
Junior College (2Yr)	9,648.00	3,376.80	321.60	12,134,005	12,134,005
Library	1,639.80	1,396.50	764.70	2,547,548	2,547,548
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	11,485.50	4,988.10	1,268.40	15,124,272	15,124,272

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
Apartments Low Rise	11.00	3.50	4.50	40.20	19.20	40.60	86	11	3
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1
Library	12.50	4.20	5.40	52.00	43.00	5.00	44	44	12
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Parking Lot	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.467876	0.065956	0.172405	0.161468	0.036746	0.005953	0.010744	0.069773	0.001331	0.001228	0.003449	0.000500	0.002571

5.0 Energy Detail

4.4 Fleet Mix

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	0.1534	1.3883	1.1231	8.3700e-003		0.1060	0.1060		0.1060	0.1060		1,673.9294	1,673.9294	0.0321	0.0307	1,684.1167
NaturalGas Unmitigated	0.1534	1.3883	1.1231	8.3700e-003		0.1060	0.1060		0.1060	0.1060		1,673.9294	1,673.9294	0.0321	0.0307	1,684.1167

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					
Junior College (2Yr)	10364.4	0.1118	1.0161	0.8535	6.1000e-003		0.0772	0.0772		0.0772	0.0772		1,219.3392	1,219.3392	0.0234	0.0224	1,226.7599
Library	2736.16	0.0295	0.2683	0.2253	1.6100e-003		0.0204	0.0204		0.0204	0.0204		321.9017	321.9017	6.1700e-003	5.9000e-003	323.8607
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Low Rise	1127.85	0.0122	0.1039	0.0442	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.6885	132.6885	2.5400e-003	2.4300e-003	133.4960
Total		**0.1534**	**1.3883**	**1.1231**	**8.3700e-003**		**0.1060**	**0.1060**		**0.1060**	**0.1060**		**1,673.9294**	**1,673.9294**	**0.0321**	**0.0307**	**1,684.1167**

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					
Junior College (2Yr)	10.3644	0.1118	1.0161	0.8535	6.1000e-003		0.0772	0.0772		0.0772	0.0772		1,219.3392	1,219.3392	0.0234	0.0224	1,226.7599
Library	2.73616	0.0295	0.2683	0.2253	1.6100e-003		0.0204	0.0204		0.0204	0.0204		321.9017	321.9017	6.1700e-003	5.9000e-003	323.8607
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Low Rise	1.12785	0.0122	0.1039	0.0442	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.6885	132.6885	2.5400e-003	2.4300e-003	133.4960
Total		**0.1534**	**1.3883**	**1.1231**	**8.3700e-003**		**0.1060**	**0.1060**		**0.1060**	**0.1060**		**1,673.9294**	**1,673.9294**	**0.0321**	**0.0307**	**1,684.1167**

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	22.8293	0.0372	3.4365	2.0000e-004		0.0976	0.0976		0.0968	0.0968	0.0000	1,277.1025	1,277.1025	0.0340	0.0233	1,285.0371
Unmitigated	22.8293	0.0372	3.4365	2.0000e-004		0.0976	0.0976		0.0968	0.0968	0.0000	1,277.1025	1,277.1025	0.0340	0.0233	1,285.0371

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	2.6672					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.8832					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1165	1.0000e-005	6.3500e-003	0.0000		0.0805	0.0805		0.0796	0.0796	0.0000	1,270.5882	1,270.5882	0.0244	0.0233	1,278.3208
Landscaping	0.1624	0.0372	3.4302	2.0000e-004		0.0171	0.0171		0.0171	0.0171		6.5142	6.5142	9.6200e-003		6.7162
Total	**22.8293**	**0.0372**	**3.4365**	**2.0000e-004**		**0.0976**	**0.0976**		**0.0967**	**0.0967**	**0.0000**	**1,277.1025**	**1,277.1025**	**0.0340**	**0.0233**	**1,285.0371**

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	2.6672					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.8832					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1165	1.0000e-005	6.3500e-003	0.0000		0.0805	0.0805		0.0796	0.0796	0.0000	1,270.5882	1,270.5882	0.0244	0.0233	1,278.3208
Landscaping	0.1624	0.0372	3.4302	2.0000e-004		0.0171	0.0171		0.0171	0.0171		6.5142	6.5142	9.6200e-003		6.7162
Total	**22.8293**	**0.0372**	**3.4365**	**2.0000e-004**		**0.0976**	**0.0976**		**0.0967**	**0.0967**	**0.0000**	**1,277.1025**	**1,277.1025**	**0.0340**	**0.0233**	**1,285.0371**

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 Vegetation

N. Palm Springs Site Alternative Buildout

Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	8,040.00	Student	10.70	260,000.00	0
Library	30.00	1000sqft	0.69	30,000.00	0
Other Asphalt Surfaces	2.00	Acre	2.00	87,120.00	0
Parking Lot	1,330.00	Space	11.97	532,000.00	0
Apartments Low Rise	30.00	Dwelling Unit	3.75	20,000.00	60

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)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - North Palm Springs site, no demolition required, includes 30 dorms, assumes 29.11 acres.

Construction Phase - Assumes a 8 year buildout for AQ analysis purposes (buildout at 2025). Actual development will likely occur gradually with full buildout closer to 2030.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT - Hauling trips based on demo estimate from Demo Unlimited Inc. plus the additional 33 trips for 500 tons of concrete debris.

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition -

Grading - Assumes same amount of material import as proposed project, for analysis purposes.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Trip rate was adjusted to reflect results of Traffic Report. Library = 1,640 daily trips: [30 (1,000s) SF x 54.66]

Road Dust - All roads are paved.

Woodstoves - No woodstoves/fireplaces.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstructionPhase	NumDays	35.00	110.00
tblConstructionPhase	NumDays	440.00	1,600.00
tblConstructionPhase	NumDays	45.00	60.00
tblConstructionPhase	NumDays	35.00	110.00
tblFireplaces	FireplaceWoodMass	457.60	0.00
tblFireplaces	NumberGas	30.00	60.00
tblGrading	AcresOfGrading	90.00	29.11
tblGrading	MaterialImported	0.00	40,000.00
tblLandUse	LandUseSquareFeet	350,963.99	260,000.00
tblLandUse	LandUseSquareFeet	30,000.00	20,000.00
tblLandUse	LotAcreage	8.06	10.70
tblLandUse	LotAcreage	1.88	3.75
tblLandUse	Population	97.00	60.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
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	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	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
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblRoadDust	RoadPercentPave	50	100
tblTripsAndVMT	HaulingTripNumber	5,000.00	1,250.00
tblTripsAndVMT	WorkerTripNumber	33.00	20.00
tblTripsAndVMT	WorkerTripNumber	28.00	15.00
tblVehicleTrips	WD_TR	56.24	54.66
tblWoodstoves	NumberCatalytic	1.50	3.00
tblWoodstoves	NumberNoncatalytic	1.50	3.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	9.0097	66.4758	77.3023	0.1172	5.6960	3.4582	9.0793	2.7028	3.2479	5.8169	0.0000	10,810.7588	10,810.7588	1.6021	0.0000	10,844.4018
2018	7.8532	57.9142	73.2233	0.1171	4.1097	2.9241	7.0337	1.1036	2.7484	3.8520	0.0000	10,593.2459	10,593.2459	1.5700	0.0000	10,626.2149
2019	7.1089	52.6079	70.4206	0.1171	4.1093	2.5897	6.6990	1.1034	2.4330	3.5365	0.0000	10,384.8245	10,384.8245	1.5426	0.0000	10,417.2191
2020	6.4590	47.6773	67.6375	0.1170	4.1090	2.3168	6.4258	1.1033	2.1754	3.2787	0.0000	10,137.8933	10,137.8933	1.5201	0.0000	10,169.8148
2021	5.9074	42.4674	65.8517	0.1170	4.1089	2.0184	6.1273	1.1033	1.8948	2.9980	0.0000	10,097.1001	10,097.1001	1.5030	0.0000	10,128.6641
2022	5.4530	37.6963	64.4861	0.1169	4.1087	1.7639	5.8726	1.1032	1.6558	2.7590	0.0000	10,058.0509	10,058.0509	1.4919	0.0000	10,089.3804
2023	54.0868	34.6050	63.0250	0.1169	9.7788	1.5869	9.8738	2.4539	1.4887	2.5918	0.0000	10,019.8924	10,019.8924	1.4788	0.0000	10,050.9465
2024	54.0543	2.8413	12.8260	0.0338	9.7788	0.0855	9.8644	2.4539	0.0837	2.5376	0.0000	2,343.7441	2,343.7441	0.1670	0.0000	2,347.2514
Total	**149.9323**	**342.2851**	**494.7725**	**0.8529**	**45.7992**	**16.7435**	**60.9759**	**13.1273**	**15.7277**	**27.3705**	**0.0000**	**74,445.5100**	**74,445.5100**	**10.8754**	**0.0000**	**74,673.8930**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	9.0097	55.6399	77.3023	0.1172	4.1100	3.4582	7.5682	1.1422	3.2479	4.3516	0.0000	10,810.7588	10,810.7588	1.6021	0.0000	10,844.4018
2018	7.8532	48.5683	73.2233	0.1171	4.1097	2.9241	7.0337	1.1036	2.7484	3.8520	0.0000	10,593.2459	10,593.2459	1.5700	0.0000	10,626.2149
2019	7.1089	44.1344	70.4206	0.1171	4.1093	2.5897	6.6990	1.1034	2.4330	3.5365	0.0000	10,384.8245	10,384.8245	1.5426	0.0000	10,417.2191
2020	6.4590	39.9165	67.6375	0.1170	4.1090	2.3168	6.4258	1.1033	2.1754	3.2787	0.0000	10,137.8933	10,137.8933	1.5201	0.0000	10,169.8148
2021	5.9074	35.4832	65.8517	0.1170	4.1089	2.0184	6.1273	1.1033	1.8948	2.9980	0.0000	10,097.1001	10,097.1001	1.5030	0.0000	10,128.6641
2022	5.4530	31.5354	64.4861	0.1169	4.1087	1.7639	5.8726	1.1032	1.6558	2.7590	0.0000	10,058.0509	10,058.0509	1.4919	0.0000	10,089.3804
2023	54.0868	28.9253	63.0250	0.1169	9.7788	1.5869	9.8738	2.4539	1.4887	2.5918	0.0000	10,019.8924	10,019.8924	1.4788	0.0000	10,050.9465
2024	54.0543	2.5198	12.8260	0.0338	9.7788	0.0855	9.8644	2.4539	0.0837	2.5376	0.0000	2,343.7441	2,343.7441	0.1670	0.0000	2,347.2514
Total	**149.9323**	**286.7227**	**494.7725**	**0.8529**	**44.2132**	**16.7435**	**59.4648**	**11.5667**	**15.7277**	**25.9052**	**0.0000**	**74,445.5100**	**74,445.5100**	**10.8754**	**0.0000**	**74,673.8930**

	ROG	NOx	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**	**16.23**	**0.00**	**0.00**	**3.46**	**0.00**	**2.48**	**11.89**	**0.00**	**5.35**	**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	22.8293	0.0372	3.4365	2.0000e-004		0.0976	0.0976		0.0968	0.0968	0.0000	1,277.1025	1,277.1025	0.0340	0.0233	1,285.0371
Energy	0.1534	1.3883	1.1231	8.3700e-003		0.1060	0.1060		0.1060	0.1060		1,673.9294	1,673.9294	0.0321	0.0307	1,684.1167
Mobile	27.5640	58.1054	326.0297	0.6002	40.5239	1.1900	41.7139	10.8151	1.0970	11.9121		44,704.3418	44,704.3418	1.7244		44,740.5551
Total	**50.5467**	**59.5308**	**330.5893**	**0.6088**	**40.5239**	**1.3937**	**41.9175**	**10.8151**	**1.2998**	**12.1149**	**0.0000**	**47,655.3736**	**47,655.3736**	**1.7905**	**0.0540**	**47,709.7088**

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	22.8293	0.0372	3.4365	2.0000e-004		0.0976	0.0976		0.0968	0.0968	0.0000	1,277.1025	1,277.1025	0.0340	0.0233	1,285.0371
Energy	0.1534	1.3883	1.1231	8.3700e-003		0.1060	0.1060		0.1060	0.1060		1,673.9294	1,673.9294	0.0321	0.0307	1,684.1167
Mobile	27.5640	58.1054	326.0297	0.6002	40.5239	1.1900	41.7139	10.8151	1.0970	11.9121		44,704.3418	44,704.3418	1.7244		44,740.5551
Total	**50.5467**	**59.5308**	**330.5893**	**0.6088**	**40.5239**	**1.3937**	**41.9175**	**10.8151**	**1.2998**	**12.1149**	**0.0000**	**47,655.3736**	**47,655.3736**	**1.7905**	**0.0540**	**47,709.7088**

	ROG	NOx	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	Grading	Grading	3/11/2017	6/2/2017	5	60	
2	Building Construction	Building Construction	6/3/2017	7/21/2023	5	1600	
3	Paving	Paving	7/22/2023	12/22/2023	5	110	
4	Architectural Coating	Architectural Coating	12/23/2023	5/24/2024	5	110	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 29.11

Acres of Paving: 0

Residential Indoor: 40,500; Residential Outdoor: 13,500; Non-Residential Indoor: 589,620; Non-Residential Outdoor: 196,540 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40
Demolition	Rubber Tired Loaders	2	6.00	199	0.36

Demolition	Signal Boards	1	6.00	6	0.82
Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42
Grading	Plate Compactors	1	6.00	8	0.43
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45
Paving	Concrete/Industrial Saws	1	6.00	81	0.73

Paving	Graders	1	6.00	174	0.41
Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	1	6.00	6	0.82
Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	13	20.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	403.00	152.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	11	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	81.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	81.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	81.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	81.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					5.1639	0.0000	5.1639	2.5583	0.0000	2.5583			0.0000			0.0000
Off-Road	5.7119	59.9930	38.6036	0.0500		3.2811	3.2811		3.0200	3.0200		5,092.1083	5,092.1083	1.5475		5,124.6054
Total	**5.7119**	**59.9930**	**38.6036**	**0.0500**	**5.1639**	**3.2811**	**8.4449**	**2.5583**	**3.0200**	**5.5783**		**5,092.1083**	**5,092.1083**	**1.5475**		**5,124.6054**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3755	4.4852	5.4894	0.0146	0.3648	0.1012	0.4660	0.1000	0.0931	0.1932		1,442.6167	1,442.6167	8.0500e-003		1,442.7858
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.1128	0.9559	1.8100e-003	0.1673	1.0600e-003	0.1684	0.0444	9.8000e-004	0.0454		141.0388	141.0388	8.9500e-003		141.2268
Total	**0.4462**	**4.5980**	**6.4453**	**0.0164**	**0.5321**	**0.1023**	**0.6344**	**0.1444**	**0.0941**	**0.2385**		**1,583.6556**	**1,583.6556**	**0.0170**		**1,584.0126**

3.2 Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0139	0.0000	2.0139	0.9978	0.0000	0.9978			0.0000			0.0000
Off-Road	5.7119	47.9944	38.6036	0.0500		3.2811	3.2811		3.0200	3.0200	0.0000	5,092.1083	5,092.1083	1.5475		5,124.6054
Total	**5.7119**	**47.9944**	**38.6036**	**0.0500**	**2.0139**	**3.2811**	**5.2950**	**0.9978**	**3.0200**	**4.0178**	**0.0000**	**5,092.1083**	**5,092.1083**	**1.5475**		**5,124.6054**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3755	4.4852	5.4894	0.0146	0.3648	0.1012	0.4660	0.1000	0.0931	0.1932		1,442.6167	1,442.6167	8.0500e-003		1,442.7858
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.1128	0.9559	1.8100e-003	0.1673	1.0600e-003	0.1684	0.0444	9.8000e-004	0.0454		141.0388	141.0388	8.9500e-003		141.2268
Total	**0.4462**	**4.5980**	**6.4453**	**0.0164**	**0.5321**	**0.1023**	**0.6344**	**0.1444**	**0.0941**	**0.2385**		**1,583.6556**	**1,583.6556**	**0.0170**		**1,584.0126**

3.3 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.0419	54.1797	35.7363	0.0561		3.2393	3.2393		3.0466	3.0466		5,547.5869	5,547.5869	1.4053		5,577.0987
Total	**6.0419**	**54.1797**	**35.7363**	**0.0561**		**3.2393**	**3.2393**		**3.0466**	**3.0466**		**5,547.5869**	**5,547.5869**	**1.4053**		**5,577.0987**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.5438	10.0236	22.3046	0.0247	0.7383	0.1975	0.9357	0.2094	0.1815	0.3909		2,421.2393	2,421.2393	0.0164		2,421.5830
Worker	1.4241	2.2725	19.2615	0.0364	3.3718	0.0214	3.3932	0.8943	0.0198	0.9141		2,841.9326	2,841.9326	0.1804		2,845.7201
Total	**2.9679**	**12.2961**	**41.5660**	**0.0611**	**4.1100**	**0.2189**	**4.3289**	**1.1037**	**0.2013**	**1.3050**		**5,263.1719**	**5,263.1719**	**0.1967**		**5,267.3031**

3.3 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.0419	43.3437	35.7363	0.0561		3.2393	3.2393		3.0466	3.0466	0.0000	5,547.5869	5,547.5869	1.4053		5,577.0987
Total	**6.0419**	**43.3437**	**35.7363**	**0.0561**		**3.2393**	**3.2393**		**3.0466**	**3.0466**	**0.0000**	**5,547.5869**	**5,547.5869**	**1.4053**		**5,577.0987**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.5438	10.0236	22.3046	0.0247	0.7383	0.1975	0.9357	0.2094	0.1815	0.3909		2,421.2393	2,421.2393	0.0164		2,421.5830
Worker	1.4241	2.2725	19.2615	0.0364	3.3718	0.0214	3.3932	0.8943	0.0198	0.9141		2,841.9326	2,841.9326	0.1804		2,845.7201
Total	**2.9679**	**12.2961**	**41.5660**	**0.0611**	**4.1100**	**0.2189**	**4.3289**	**1.1037**	**0.2013**	**1.3050**		**5,263.1719**	**5,263.1719**	**0.1967**		**5,267.3031**

3.3 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1975	46.7291	34.7172	0.0561		2.7180	2.7180		2.5588	2.5588		5,483.4680	5,483.4680	1.3856		5,512.5659
Total	**5.1975**	**46.7291**	**34.7172**	**0.0561**		**2.7180**	**2.7180**		**2.5588**	**2.5588**		**5,483.4680**	**5,483.4680**	**1.3856**		**5,512.5659**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.3737	9.1041	21.0336	0.0247	0.7379	0.1850	0.9229	0.2092	0.1701	0.3794		2,377.7362	2,377.7362	0.0161		2,378.0738
Worker	1.2821	2.0810	17.4725	0.0364	3.3718	0.0211	3.3929	0.8943	0.0195	0.9138		2,732.0416	2,732.0416	0.1683		2,735.5752
Total	**2.6558**	**11.1850**	**38.5061**	**0.0610**	**4.1097**	**0.2061**	**4.3157**	**1.1036**	**0.1896**	**1.2932**		**5,109.7779**	**5,109.7779**	**0.1844**		**5,113.6491**

3.3 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1975	37.3833	34.7172	0.0561		2.7180	2.7180		2.5588	2.5588	0.0000	5,483.4680	5,483.4680	1.3856		5,512.5659
Total	**5.1975**	**37.3833**	**34.7172**	**0.0561**		**2.7180**	**2.7180**		**2.5588**	**2.5588**	**0.0000**	**5,483.4680**	**5,483.4680**	**1.3856**		**5,512.5659**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.3737	9.1041	21.0336	0.0247	0.7379	0.1850	0.9229	0.2092	0.1701	0.3794		2,377.7362	2,377.7362	0.0161		2,378.0738
Worker	1.2821	2.0810	17.4725	0.0364	3.3718	0.0211	3.3929	0.8943	0.0195	0.9138		2,732.0416	2,732.0416	0.1683		2,735.5752
Total	**2.6558**	**11.1850**	**38.5061**	**0.0610**	**4.1097**	**0.2061**	**4.3157**	**1.1036**	**0.1896**	**1.2932**		**5,109.7779**	**5,109.7779**	**0.1844**		**5,113.6491**

3.3 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6769	42.3678	34.2182	0.0561		2.3969	2.3969		2.2555	2.2555		5,420.3343	5,420.3343	1.3678		5,449.0575
Total	**4.6769**	**42.3678**	**34.2182**	**0.0561**		**2.3969**	**2.3969**		**2.2555**	**2.2555**		**5,420.3343**	**5,420.3343**	**1.3678**		**5,449.0575**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2562	8.3194	20.0772	0.0246	0.7376	0.1718	0.9093	0.2091	0.1580	0.3671		2,335.1997	2,335.1997	0.0158		2,335.5313
Worker	1.1758	1.9208	16.1253	0.0363	3.3718	0.0211	3.3929	0.8943	0.0196	0.9139		2,629.2905	2,629.2905	0.1590		2,632.6304
Total	**2.4320**	**10.2401**	**36.2024**	**0.0609**	**4.1093**	**0.1929**	**4.3022**	**1.1034**	**0.1775**	**1.2810**		**4,964.4902**	**4,964.4902**	**0.1748**		**4,968.1617**

3.3 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6769	33.8942	34.2182	0.0561		2.3969	2.3969		2.2555	2.2555	0.0000	5,420.3343	5,420.3343	1.3678		5,449.0575
Total	**4.6769**	**33.8942**	**34.2182**	**0.0561**		**2.3969**	**2.3969**		**2.2555**	**2.2555**	**0.0000**	**5,420.3343**	**5,420.3343**	**1.3678**		**5,449.0575**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2562	8.3194	20.0772	0.0246	0.7376	0.1718	0.9093	0.2091	0.1580	0.3671		2,335.1997	2,335.1997	0.0158		2,335.5313
Worker	1.1758	1.9208	16.1253	0.0363	3.3718	0.0211	3.3929	0.8943	0.0196	0.9139		2,629.2905	2,629.2905	0.1590		2,632.6304
Total	**2.4320**	**10.2401**	**36.2024**	**0.0609**	**4.1093**	**0.1929**	**4.3022**	**1.1034**	**0.1775**	**1.2810**		**4,964.4902**	**4,964.4902**	**0.1748**		**4,968.1617**

3.3 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2890	38.8043	33.8459	0.0561		2.1414	2.1414		2.0139	2.0139		5,335.8439	5,335.8439	1.3533		5,364.2631
Total	**4.2890**	**38.8043**	**33.8459**	**0.0561**		**2.1414**	**2.1414**		**2.0139**	**2.0139**		**5,335.8439**	**5,335.8439**	**1.3533**		**5,364.2631**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0727	7.0750	18.7397	0.0245	0.7372	0.1543	0.8915	0.2090	0.1419	0.3509		2,279.6819	2,279.6819	0.0152		2,280.0015
Worker	1.0974	1.7980	15.0518	0.0363	3.3718	0.0211	3.3929	0.8943	0.0196	0.9139		2,522.3675	2,522.3675	0.1516		2,525.5502
Total	**2.1701**	**8.8731**	**33.7915**	**0.0608**	**4.1090**	**0.1754**	**4.2844**	**1.1033**	**0.1615**	**1.2648**		**4,802.0494**	**4,802.0494**	**0.1668**		**4,805.5517**

3.3 Building Construction - 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	4.2890	31.0434	33.8459	0.0561		2.1414	2.1414		2.0139	2.0139	0.0000	5,335.8439	5,335.8439	1.3533		5,364.2631
Total	**4.2890**	**31.0434**	**33.8459**	**0.0561**		**2.1414**	**2.1414**		**2.0139**	**2.0139**	**0.0000**	**5,335.8439**	**5,335.8439**	**1.3533**		**5,364.2631**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0727	7.0750	18.7397	0.0245	0.7372	0.1543	0.8915	0.2090	0.1419	0.3509		2,279.6819	2,279.6819	0.0152		2,280.0015
Worker	1.0974	1.7980	15.0518	0.0363	3.3718	0.0211	3.3929	0.8943	0.0196	0.9139		2,522.3675	2,522.3675	0.1516		2,525.5502
Total	**2.1701**	**8.8731**	**33.7915**	**0.0608**	**4.1090**	**0.1754**	**4.2844**	**1.1033**	**0.1615**	**1.2648**		**4,802.0494**	**4,802.0494**	**0.1668**		**4,805.5517**

3.3 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	3.8712	34.9212	33.4769	0.0561		1.8627	1.8627		1.7514	1.7514		5,335.4696	5,335.4696	1.3404		5,363.6181
Total	**3.8712**	**34.9212**	**33.4769**	**0.0561**		**1.8627**	**1.8627**		**1.7514**	**1.7514**		**5,335.4696**	**5,335.4696**	**1.3404**		**5,363.6181**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9950	5.8419	18.0674	0.0245	0.7371	0.1343	0.8714	0.2089	0.1236	0.3325		2,276.4966	2,276.4966	0.0154		2,276.8192
Worker	1.0412	1.7044	14.3075	0.0364	3.3718	0.0214	3.3932	0.8943	0.0199	0.9142		2,485.1340	2,485.1340	0.1473		2,488.2267
Total	**2.0362**	**7.5462**	**32.3749**	**0.0608**	**4.1089**	**0.1557**	**4.2646**	**1.1032**	**0.1434**	**1.2466**		**4,761.6305**	**4,761.6305**	**0.1626**		**4,765.0459**

3.3 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8712	27.9370	33.4769	0.0561		1.8627	1.8627		1.7514	1.7514	0.0000	5,335.4696	5,335.4696	1.3404		5,363.6181
Total	**3.8712**	**27.9370**	**33.4769**	**0.0561**		**1.8627**	**1.8627**		**1.7514**	**1.7514**	**0.0000**	**5,335.4696**	**5,335.4696**	**1.3404**		**5,363.6181**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9950	5.8419	18.0674	0.0245	0.7371	0.1343	0.8714	0.2089	0.1236	0.3325		2,276.4966	2,276.4966	0.0154		2,276.8192
Worker	1.0412	1.7044	14.3075	0.0364	3.3718	0.0214	3.3932	0.8943	0.0199	0.9142		2,485.1340	2,485.1340	0.1473		2,488.2267
Total	**2.0362**	**7.5462**	**32.3749**	**0.0608**	**4.1089**	**0.1557**	**4.2646**	**1.1032**	**0.1434**	**1.2466**		**4,761.6305**	**4,761.6305**	**0.1626**		**4,765.0459**

3.3 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	3.4938	30.8046	33.1368	0.0561		1.6103	1.6103		1.5143	1.5143		5,335.9879	5,335.9879	1.3331		5,363.9827
Total	**3.4938**	**30.8046**	**33.1368**	**0.0561**		**1.6103**	**1.6103**		**1.5143**	**1.5143**		**5,335.9879**	**5,335.9879**	**1.3331**		**5,363.9827**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9641	5.2571	17.7368	0.0244	0.7369	0.1321	0.8691	0.2088	0.1216	0.3304		2,273.5882	2,273.5882	0.0157		2,273.9168
Worker	0.9951	1.6346	13.6125	0.0364	3.3718	0.0215	3.3933	0.8943	0.0199	0.9143		2,448.4749	2,448.4749	0.1431		2,451.4809
Total	**1.9592**	**6.8917**	**31.3493**	**0.0608**	**4.1087**	**0.1536**	**4.2623**	**1.1032**	**0.1415**	**1.2447**		**4,722.0631**	**4,722.0631**	**0.1588**		**4,725.3977**

3.3 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4938	24.6437	33.1368	0.0561		1.6103	1.6103		1.5143	1.5143	0.0000	5,335.9878	5,335.9878	1.3331		5,363.9827
Total	**3.4938**	**24.6437**	**33.1368**	**0.0561**		**1.6103**	**1.6103**		**1.5143**	**1.5143**	**0.0000**	**5,335.9878**	**5,335.9878**	**1.3331**		**5,363.9827**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9641	5.2571	17.7368	0.0244	0.7369	0.1321	0.8691	0.2088	0.1216	0.3304		2,273.5882	2,273.5882	0.0157		2,273.9168
Worker	0.9951	1.6346	13.6125	0.0364	3.3718	0.0215	3.3933	0.8943	0.0199	0.9143		2,448.4749	2,448.4749	0.1431		2,451.4809
Total	**1.9592**	**6.8917**	**31.3493**	**0.0608**	**4.1087**	**0.1536**	**4.2623**	**1.1032**	**0.1415**	**1.2447**		**4,722.0631**	**4,722.0631**	**0.1588**		**4,725.3977**

3.3 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	3.2647	28.3981	32.9798	0.0561		1.4389	1.4389		1.3523	1.3523		5,336.2173	5,336.2173	1.3244		5,364.0297
Total	**3.2647**	**28.3981**	**32.9798**	**0.0561**		**1.4389**	**1.4389**		**1.3523**	**1.3523**		**5,336.2173**	**5,336.2173**	**1.3244**		**5,364.0297**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.8990	4.6306	17.0473	0.0244	0.7368	0.1265	0.8633	0.2088	0.1164	0.3252		2,267.8089	2,267.8089	0.0148		2,268.1185
Worker	0.9549	1.5762	12.9979	0.0364	3.3718	0.0216	3.3934	0.8943	0.0200	0.9144		2,415.8662	2,415.8662	0.1396		2,418.7983
Total	**1.8538**	**6.2069**	**30.0451**	**0.0607**	**4.1086**	**0.1481**	**4.2566**	**1.1031**	**0.1364**	**1.2395**		**4,683.6751**	**4,683.6751**	**0.1544**		**4,686.9168**

3.3 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2647	22.7185	32.9798	0.0561		1.4389	1.4389		1.3523	1.3523	0.0000	5,336.2173	5,336.2173	1.3244		5,364.0297
Total	**3.2647**	**22.7185**	**32.9798**	**0.0561**		**1.4389**	**1.4389**		**1.3523**	**1.3523**	**0.0000**	**5,336.2173**	**5,336.2173**	**1.3244**		**5,364.0297**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.8990	4.6306	17.0473	0.0244	0.7368	0.1265	0.8633	0.2088	0.1164	0.3252		2,267.8089	2,267.8089	0.0148		2,268.1185
Worker	0.9549	1.5762	12.9979	0.0364	3.3718	0.0216	3.3934	0.8943	0.0200	0.9144		2,415.8662	2,415.8662	0.1396		2,418.7983
Total	**1.8538**	**6.2069**	**30.0451**	**0.0607**	**4.1086**	**0.1481**	**4.2566**	**1.1031**	**0.1364**	**1.2395**		**4,683.6751**	**4,683.6751**	**0.1544**		**4,686.9168**

3.4 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8425	17.1072	20.5363	0.0317		0.9012	0.9012		0.8382	0.8382		3,036.4718	3,036.4718	0.8464		3,054.2461
Paving	0.3327					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1752**	**17.1072**	**20.5363**	**0.0317**		**0.9012**	**0.9012**		**0.8382**	**0.8382**		**3,036.4718**	**3,036.4718**	**0.8464**		**3,054.2461**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0355	0.0587	0.4838	1.3500e-003	0.1255	8.0000e-004	0.1263	0.0333	7.5000e-004	0.0340		89.9206	89.9206	5.2000e-003		90.0297
Total	**0.0355**	**0.0587**	**0.4838**	**1.3500e-003**	**0.1255**	**8.0000e-004**	**0.1263**	**0.0333**	**7.5000e-004**	**0.0340**		**89.9206**	**89.9206**	**5.2000e-003**		**90.0297**

3.4 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8425	13.6858	20.5363	0.0317		0.9012	0.9012		0.8382	0.8382	0.0000	3,036.4718	3,036.4718	0.8464		3,054.2461
Paving	0.3327					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1752**	**13.6858**	**20.5363**	**0.0317**		**0.9012**	**0.9012**		**0.8382**	**0.8382**	**0.0000**	**3,036.4718**	**3,036.4718**	**0.8464**		**3,054.2461**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0355	0.0587	0.4838	1.3500e-003	0.1255	8.0000e-004	0.1263	0.0333	7.5000e-004	0.0340		89.9206	89.9206	5.2000e-003		90.0297
Total	**0.0355**	**0.0587**	**0.4838**	**1.3500e-003**	**0.1255**	**8.0000e-004**	**0.1263**	**0.0333**	**7.5000e-004**	**0.0340**		**89.9206**	**89.9206**	**5.2000e-003**		**90.0297**

3.5 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	53.1019					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2172	1.6966	2.6171	4.2100e-003		0.0776	0.0776		0.0771	0.0771		401.4770	401.4770	0.0557		402.6458
Total	**53.3191**	**1.6966**	**2.6171**	**4.2100e-003**		**0.0776**	**0.0776**		**0.0771**	**0.0771**		**401.4770**	**401.4770**	**0.0557**		**402.6458**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7677	1.2673	10.4499	0.0292	9.7788	0.0174	9.7962	2.4539	0.0161	2.4700		1,942.2845	1,942.2845	0.1123		1,944.6418
Total	**0.7677**	**1.2673**	**10.4499**	**0.0292**	**9.7788**	**0.0174**	**9.7962**	**2.4539**	**0.0161**	**2.4700**		**1,942.2845**	**1,942.2845**	**0.1123**		**1,944.6418**

3.5 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	53.1019					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2172	1.3573	2.6171	4.2100e-003		0.0776	0.0776		0.0771	0.0771	0.0000	401.4770	401.4770	0.0557		402.6458
Total	**53.3191**	**1.3573**	**2.6171**	**4.2100e-003**		**0.0776**	**0.0776**		**0.0771**	**0.0771**	**0.0000**	**401.4770**	**401.4770**	**0.0557**		**402.6458**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7677	1.2673	10.4499	0.0292	9.7788	0.0174	9.7962	2.4539	0.0161	2.4700		1,942.2845	1,942.2845	0.1123		1,944.6418
Total	**0.7677**	**1.2673**	**10.4499**	**0.0292**	**9.7788**	**0.0174**	**9.7962**	**2.4539**	**0.0161**	**2.4700**		**1,942.2845**	**1,942.2845**	**0.1123**		**1,944.6418**

3.5 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	53.1019					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2063	1.6073	2.6167	4.2100e-003		0.0677	0.0677		0.0671	0.0671		401.4770	401.4770	0.0547		402.6250
Total	**53.3082**	**1.6073**	**2.6167**	**4.2100e-003**		**0.0677**	**0.0677**		**0.0671**	**0.0671**		**401.4770**	**401.4770**	**0.0547**		**402.6250**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7461	1.2340	10.2093	0.0296	9.7788	0.0179	9.7967	2.4539	0.0166	2.4705		1,942.2671	1,942.2671	0.1124		1,944.6264
Total	**0.7461**	**1.2340**	**10.2093**	**0.0296**	**9.7788**	**0.0179**	**9.7967**	**2.4539**	**0.0166**	**2.4705**		**1,942.2671**	**1,942.2671**	**0.1124**		**1,944.6264**

3.5 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	53.1019					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2063	1.2858	2.6167	4.2100e-003		0.0677	0.0677		0.0671	0.0671	0.0000	401.4770	401.4770	0.0547		402.6250
Total	**53.3082**	**1.2858**	**2.6167**	**4.2100e-003**		**0.0677**	**0.0677**		**0.0671**	**0.0671**	**0.0000**	**401.4770**	**401.4770**	**0.0547**		**402.6250**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7461	1.2340	10.2093	0.0296	9.7788	0.0179	9.7967	2.4539	0.0166	2.4705		1,942.2671	1,942.2671	0.1124		1,944.6264
Total	**0.7461**	**1.2340**	**10.2093**	**0.0296**	**9.7788**	**0.0179**	**9.7967**	**2.4539**	**0.0166**	**2.4705**		**1,942.2671**	**1,942.2671**	**0.1124**		**1,944.6264**

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	27.5640	58.1054	326.0297	0.6002	40.5239	1.1900	41.7139	10.8151	1.0970	11.9121		44,704.3418	44,704.3418	1.7244		44,740.5551
Unmitigated	27.5640	58.1054	326.0297	0.6002	40.5239	1.1900	41.7139	10.8151	1.0970	11.9121		44,704.3418	44,704.3418	1.7244		44,740.5551

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	197.70	214.80	182.10	442,719	442,719
Junior College (2Yr)	9,648.00	3,376.80	321.60	12,134,005	12,134,005
Library	1,639.80	1,396.50	764.70	2,547,548	2,547,548
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	11,485.50	4,988.10	1,268.40	15,124,272	15,124,272

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
Apartments Low Rise	11.00	3.50	4.50	40.20	19.20	40.60	86	11	3
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1
Library	12.50	4.20	5.40	52.00	43.00	5.00	44	44	12
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Parking Lot	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.467876	0.065956	0.172405	0.161468	0.036746	0.005953	0.010744	0.069773	0.001331	0.001228	0.003449	0.000500	0.002571

5.0 Energy Detail

4.4 Fleet Mix

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	0.1534	1.3883	1.1231	8.3700e-003		0.1060	0.1060		0.1060	0.1060		1,673.9294	1,673.9294	0.0321	0.0307	1,684.1167
NaturalGas Unmitigated	0.1534	1.3883	1.1231	8.3700e-003		0.1060	0.1060		0.1060	0.1060		1,673.9294	1,673.9294	0.0321	0.0307	1,684.1167

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					
Junior College (2Yr)	10364.4	0.1118	1.0161	0.8535	6.1000e-003		0.0772	0.0772		0.0772	0.0772		1,219.3392	1,219.3392	0.0234	0.0224	1,226.7599
Library	2736.16	0.0295	0.2683	0.2253	1.6100e-003		0.0204	0.0204		0.0204	0.0204		321.9017	321.9017	6.1700e-003	5.9000e-003	323.8607
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Low Rise	1127.85	0.0122	0.1039	0.0442	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.6885	132.6885	2.5400e-003	2.4300e-003	133.4960
Total		**0.1534**	**1.3883**	**1.1231**	**8.3700e-003**		**0.1060**	**0.1060**		**0.1060**	**0.1060**		**1,673.9294**	**1,673.9294**	**0.0321**	**0.0307**	**1,684.1167**

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					
Junior College (2Yr)	10.3644	0.1118	1.0161	0.8535	6.1000e-003		0.0772	0.0772		0.0772	0.0772		1,219.3392	1,219.3392	0.0234	0.0224	1,226.7599
Library	2.73616	0.0295	0.2683	0.2253	1.6100e-003		0.0204	0.0204		0.0204	0.0204		321.9017	321.9017	6.1700e-003	5.9000e-003	323.8607
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Low Rise	1.12785	0.0122	0.1039	0.0442	6.6000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003		132.6885	132.6885	2.5400e-003	2.4300e-003	133.4960
Total		**0.1534**	**1.3883**	**1.1231**	**8.3700e-003**		**0.1060**	**0.1060**		**0.1060**	**0.1060**		**1,673.9294**	**1,673.9294**	**0.0321**	**0.0307**	**1,684.1167**

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	22.8293	0.0372	3.4365	2.0000e-004		0.0976	0.0976		0.0968	0.0968	0.0000	1,277.1025	1,277.1025	0.0340	0.0233	1,285.0371
Unmitigated	22.8293	0.0372	3.4365	2.0000e-004		0.0976	0.0976		0.0968	0.0968	0.0000	1,277.1025	1,277.1025	0.0340	0.0233	1,285.0371

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	2.6672					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.8832					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1165	1.0000e-005	6.3500e-003	0.0000		0.0805	0.0805		0.0796	0.0796	0.0000	1,270.5882	1,270.5882	0.0244	0.0233	1,278.3208
Landscaping	0.1624	0.0372	3.4302	2.0000e-004		0.0171	0.0171		0.0171	0.0171		6.5142	6.5142	9.6200e-003		6.7162
Total	**22.8293**	**0.0372**	**3.4365**	**2.0000e-004**		**0.0976**	**0.0976**		**0.0967**	**0.0967**	**0.0000**	**1,277.1025**	**1,277.1025**	**0.0340**	**0.0233**	**1,285.0371**

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	2.6672					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.8832					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1165	1.0000e-005	6.3500e-003	0.0000		0.0805	0.0805		0.0796	0.0796	0.0000	1,270.5882	1,270.5882	0.0244	0.0233	1,278.3208
Landscaping	0.1624	0.0372	3.4302	2.0000e-004		0.0171	0.0171		0.0171	0.0171		6.5142	6.5142	9.6200e-003		6.7162
Total	**22.8293**	**0.0372**	**3.4365**	**2.0000e-004**		**0.0976**	**0.0976**		**0.0967**	**0.0967**	**0.0000**	**1,277.1025**	**1,277.1025**	**0.0340**	**0.0233**	**1,285.0371**

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 Vegetation

MALL REPURPOSING ALTERNATIVE

College of the Desert

West Valley Campus

Air Emission Outputs

CalEEMod Version 2013.2.2

Mall Repurposing Buildout

Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	8,040.00	Student	11.45	300,000.00	0
Library	30.00	1000sqft	0.69	30,000.00	0
Other Asphalt Surfaces	5.00	Acre	5.00	217,800.00	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)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Includes remodeling of the existing mall, construction of 300,000 sf of College space (incl. conference center and retail), 30,000 SF Library. Existing on-site parking will remain.

Construction Phase - Assumes a 8 year buildout for AQ analysis purposes (buildout at 2025). Actual development will likely occur gradually with full buildout closer to 2030.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT - Hauling trips based on demo estimate from Demo Unlimited Inc. plus the additional 33 trips for 500 tons of concrete debris.

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition - Demolition assumes the removal of materials during renovation. Assumes possibitly of 1/4 of total building square footage would be removed.

Grading - Assumes 1/3 of Proposed Project material import in the event portions of the site need to be regraded to meet current building code standards.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Trip rate was adjusted to reflect results of Traffic Report. Library = 1,640 daily trips: [30 (1,000s) SF x 54.66]

Road Dust - All roads are paved.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00

tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstructionPhase	NumDays	20.00	50.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	20.00	110.00
tblGrading	AcresOfGrading	90.00	10.00
tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	LandUseSquareFeet	350,963.99	300,000.00
tblLandUse	LotAcreage	8.06	11.45
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	3.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
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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	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
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tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
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tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblRoadDust	RoadPercentPave	50	100
tblTripsAndVMT	WorkerTripNumber	33.00	15.00
tblTripsAndVMT	WorkerTripNumber	33.00	20.00
tblTripsAndVMT	WorkerTripNumber	28.00	15.00
tblVehicleTrips	WD_TR	56.24	54.66

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					
2017	0.9069	8.0317	6.7216	0.0104	0.3812	0.4293	0.8105	0.1347	0.4005	0.5351	0.0000	906.2282	906.2282	0.1797	0.0000	910.0017
2018	0.8787	6.9457	7.3039	0.0121	0.3046	0.3705	0.6750	0.0819	0.3484	0.4303	0.0000	1,012.2908	1,012.2908	0.1765	0.0000	1,015.9974
2019	0.7942	6.3052	7.0628	0.0121	0.3046	0.3275	0.6321	0.0819	0.3079	0.3898	0.0000	994.4849	994.4849	0.1738	0.0000	998.1336
2020	0.7272	5.7580	6.8495	0.0121	0.3057	0.2940	0.5997	0.0822	0.2762	0.3584	0.0000	976.6652	976.6652	0.1721	0.0000	980.2802
2021	0.6600	5.1277	6.6663	0.0121	0.3045	0.2550	0.5595	0.0819	0.2395	0.3214	0.0000	970.0153	970.0153	0.1697	0.0000	973.5786
2022	0.6025	4.5232	6.5217	0.0120	0.3033	0.2210	0.5244	0.0816	0.2076	0.2892	0.0000	963.5516	963.5516	0.1679	0.0000	967.0777
2023	0.5998	3.2692	4.7567	8.5900e-003	0.1897	0.1604	0.3501	0.0507	0.1502	0.2009	0.0000	695.6789	695.6789	0.1357	0.0000	698.5278
2024	3.6703	0.1201	0.4712	1.1500e-003	0.2877	4.0900e-003	0.2918	0.0722	4.0200e-003	0.0762	0.0000	74.7345	74.7345	5.6400e-003	0.0000	74.8530
Total	**8.8396**	**40.0809**	**46.3537**	**0.0806**	**2.3813**	**2.0619**	**4.4431**	**0.6671**	**1.9344**	**2.6015**	**0.0000**	**6,593.6494**	**6,593.6494**	**1.1810**	**0.0000**	**6,618.4500**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.9069	6.5680	6.7216	0.0104	0.2690	0.4293	0.6983	0.0849	0.4005	0.4854	0.0000	906.2275	906.2275	0.1797	0.0000	910.0010
2018	0.8787	5.7261	7.3039	0.0121	0.3046	0.3705	0.6750	0.0819	0.3484	0.4303	0.0000	1,012.2900	1,012.2900	0.1765	0.0000	1,015.9966
2019	0.7942	5.1994	7.0628	0.0121	0.3046	0.3275	0.6321	0.0819	0.3079	0.3898	0.0000	994.4841	994.4841	0.1738	0.0000	998.1328
2020	0.7272	4.7413	6.8495	0.0121	0.3057	0.2940	0.5997	0.0822	0.2762	0.3584	0.0000	976.6645	976.6645	0.1721	0.0000	980.2795
2021	0.6600	4.2163	6.6663	0.0121	0.3045	0.2550	0.5595	0.0819	0.2395	0.3214	0.0000	970.0145	970.0145	0.1697	0.0000	973.5778
2022	0.6025	3.7223	6.5217	0.0120	0.3033	0.2210	0.5244	0.0816	0.2076	0.2892	0.0000	963.5509	963.5509	0.1679	0.0000	967.0770
2023	0.5998	2.6684	4.7567	8.5900e-003	0.1897	0.1604	0.3501	0.0507	0.1502	0.2009	0.0000	695.6783	695.6783	0.1357	0.0000	698.5272
2024	3.6703	0.1032	0.4712	1.1500e-003	0.2877	4.0900e-003	0.2918	0.0722	4.0200e-003	0.0762	0.0000	74.7345	74.7345	5.6400e-003	0.0000	74.8530
Total	**8.8396**	**32.9450**	**46.3537**	**0.0806**	**2.2690**	**2.0618**	**4.3308**	**0.6173**	**1.9344**	**2.5517**	**0.0000**	**6,593.6442**	**6,593.6442**	**1.1810**	**0.0000**	**6,618.4448**

	ROG	NOx	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**	**17.80**	**0.00**	**0.00**	**4.71**	**0.00**	**2.53**	**7.46**	**0.00**	**1.91**	**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	tons/yr										MT/yr					
Area	2.7810	6.7000e-004	0.0740	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	0.1443	0.1443	3.8000e-004	0.0000	0.1522
Energy	0.0289	0.2629	0.2209	1.5800e-003		0.0200	0.0200		0.0200	0.0200	0.0000	1,141.8951	1,141.8951	0.0448	0.0134	1,146.9857
Mobile	4.0069	7.9815	42.5141	0.0874	5.6084	0.1660	5.7743	1.4982	0.1530	1.6512	0.0000	5,886.3975	5,886.3975	0.2185	0.0000	5,890.9852
Waste						0.0000	0.0000		0.0000	0.0000	303.4573	0.0000	303.4573	17.9338	0.0000	680.0673
Water						0.0000	0.0000		0.0000	0.0000	5.7591	157.9131	163.6722	0.5988	0.0155	181.0419
Total	**6.8168**	**8.2451**	**42.8090**	**0.0890**	**5.6084**	**0.1862**	**5.7946**	**1.4982**	**0.1733**	**1.6714**	**309.2164**	**7,186.3499**	**7,495.5663**	**18.7963**	**0.0289**	**7,899.2322**

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	2.7810	6.7000e-004	0.0740	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	0.1443	0.1443	3.8000e-004	0.0000	0.1522
Energy	0.0289	0.2629	0.2209	1.5800e-003		0.0200	0.0200		0.0200	0.0200	0.0000	1,141.8951	1,141.8951	0.0448	0.0134	1,146.9857
Mobile	4.0069	7.9815	42.5141	0.0874	5.6084	0.1660	5.7743	1.4982	0.1530	1.6512	0.0000	5,886.3975	5,886.3975	0.2185	0.0000	5,890.9852
Waste						0.0000	0.0000		0.0000	0.0000	303.4573	0.0000	303.4573	17.9338	0.0000	680.0673
Water						0.0000	0.0000		0.0000	0.0000	5.7591	157.9131	163.6722	0.5987	0.0155	181.0327
Total	**6.8168**	**8.2451**	**42.8090**	**0.0890**	**5.6084**	**0.1862**	**5.7946**	**1.4982**	**0.1733**	**1.6714**	**309.2164**	**7,186.3499**	**7,495.5663**	**18.7961**	**0.0288**	**7,899.2230**

	ROG	NOx	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**	**0.07**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	3/10/2017	5	50	
2	Grading	Grading	3/11/2017	6/2/2017	5	60	
3	Building Construction	Building Construction	6/3/2017	7/21/2023	5	1600	
4	Paving	Paving	7/22/2023	12/22/2023	5	110	
5	Architectural Coating	Architectural Coating	12/23/2023	5/24/2024	5	110	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 821,700; Non-Residential Outdoor: 273,900 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40
Demolition	Rubber Tired Loaders	2	6.00	199	0.36
Demolition	Signal Boards	1	6.00	6	0.82
Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42

Grading	Plate Compactors	1	6.00	8	0.43
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45
Paving	Concrete/Industrial Saws	1	6.00	81	0.73
Paving	Graders	1	6.00	174	0.41
Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38

Paving	Signal Boards	1	6.00	6	0.82
Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	13	15.00	0.00	375.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	13	20.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	230.00	90.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	11	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	46.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	46.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	46.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	46.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0422	0.0000	0.0422	6.3900e-003	0.0000	6.3900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1368	1.4551	0.9154	1.2800e-003		0.0743	0.0743		0.0689	0.0689	0.0000	117.5205	117.5205	0.0336	0.0000	118.2268
Total	**0.1368**	**1.4551**	**0.9154**	**1.2800e-003**	**0.0422**	**0.0743**	**0.1165**	**6.3900e-003**	**0.0689**	**0.0752**	**0.0000**	**117.5205**	**117.5205**	**0.0336**	**0.0000**	**118.2268**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1500e-003	0.0399	0.0432	1.3000e-004	3.2500e-003	9.1000e-004	4.1600e-003	8.9000e-004	8.4000e-004	1.7300e-003	0.0000	11.7956	11.7956	6.0000e-005	0.0000	11.7970
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4300e-003	2.0400e-003	0.0194	4.0000e-005	3.1000e-003	2.0000e-005	3.1200e-003	8.2000e-004	2.0000e-005	8.4000e-004	0.0000	2.5386	2.5386	1.5000e-004	0.0000	2.5418
Total	**4.5800e-003**	**0.0419**	**0.0626**	**1.7000e-004**	**6.3500e-003**	**9.3000e-004**	**7.2800e-003**	**1.7100e-003**	**8.6000e-004**	**2.5700e-003**	**0.0000**	**14.3343**	**14.3343**	**2.1000e-004**	**0.0000**	**14.3388**

3.2 Demolition - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0165	0.0000	0.0165	2.4900e-003	0.0000	2.4900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1368	1.1640	0.9154	1.2800e-003		0.0743	0.0743		0.0689	0.0689	0.0000	117.5203	117.5203	0.0336	0.0000	118.2267
Total	**0.1368**	**1.1640**	**0.9154**	**1.2800e-003**	**0.0165**	**0.0743**	**0.0908**	**2.4900e-003**	**0.0689**	**0.0713**	**0.0000**	**117.5203**	**117.5203**	**0.0336**	**0.0000**	**118.2267**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1500e-003	0.0399	0.0432	1.3000e-004	3.2500e-003	9.1000e-004	4.1600e-003	8.9000e-004	8.4000e-004	1.7300e-003	0.0000	11.7956	11.7956	6.0000e-005	0.0000	11.7970
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4300e-003	2.0400e-003	0.0194	4.0000e-005	3.1000e-003	2.0000e-005	3.1200e-003	8.2000e-004	2.0000e-005	8.4000e-004	0.0000	2.5386	2.5386	1.5000e-004	0.0000	2.5418
Total	**4.5800e-003**	**0.0419**	**0.0626**	**1.7000e-004**	**6.3500e-003**	**9.3000e-004**	**7.2800e-003**	**1.7100e-003**	**8.6000e-004**	**2.5700e-003**	**0.0000**	**14.3343**	**14.3343**	**2.1000e-004**	**0.0000**	**14.3388**

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1418	0.0000	0.1418	0.0752	0.0000	0.0752	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1714	1.7998	1.1581	1.5000e-003		0.0984	0.0984		0.0906	0.0906	0.0000	138.5845	138.5845	0.0421	0.0000	139.4689
Total	**0.1714**	**1.7998**	**1.1581**	**1.5000e-003**	**0.1418**	**0.0984**	**0.2402**	**0.0752**	**0.0906**	**0.1658**	**0.0000**	**138.5845**	**138.5845**	**0.0421**	**0.0000**	**139.4689**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0105	0.1329	0.1440	4.4000e-004	0.0108	3.0300e-003	0.0139	2.9700e-003	2.7900e-003	5.7600e-003	0.0000	39.3188	39.3188	2.2000e-004	0.0000	39.3234
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2900e-003	3.2700e-003	0.0310	6.0000e-005	4.9600e-003	3.0000e-005	4.9900e-003	1.3200e-003	3.0000e-005	1.3500e-003	0.0000	4.0618	4.0618	2.4000e-004	0.0000	4.0669
Total	**0.0128**	**0.1361**	**0.1751**	**5.0000e-004**	**0.0158**	**3.0600e-003**	**0.0189**	**4.2900e-003**	**2.8200e-003**	**7.1100e-003**	**0.0000**	**43.3806**	**43.3806**	**4.6000e-004**	**0.0000**	**43.3903**

3.3 Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0553	0.0000	0.0553	0.0293	0.0000	0.0293	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1714	1.4398	1.1581	1.5000e-003		0.0984	0.0984		0.0906	0.0906	0.0000	138.5843	138.5843	0.0421	0.0000	139.4688
Total	**0.1714**	**1.4398**	**1.1581**	**1.5000e-003**	**0.0553**	**0.0984**	**0.1537**	**0.0293**	**0.0906**	**0.1199**	**0.0000**	**138.5843**	**138.5843**	**0.0421**	**0.0000**	**139.4688**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0105	0.1329	0.1440	4.4000e-004	0.0108	3.0300e-003	0.0139	2.9700e-003	2.7900e-003	5.7600e-003	0.0000	39.3188	39.3188	2.2000e-004	0.0000	39.3234
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2900e-003	3.2700e-003	0.0310	6.0000e-005	4.9600e-003	3.0000e-005	4.9900e-003	1.3200e-003	3.0000e-005	1.3500e-003	0.0000	4.0618	4.0618	2.4000e-004	0.0000	4.0669
Total	**0.0128**	**0.1361**	**0.1751**	**5.0000e-004**	**0.0158**	**3.0600e-003**	**0.0189**	**4.2900e-003**	**2.8200e-003**	**7.1100e-003**	**0.0000**	**43.3806**	**43.3806**	**4.6000e-004**	**0.0000**	**43.3903**

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4531	4.0635	2.6802	4.2100e-003		0.2430	0.2430		0.2285	0.2285	0.0000	377.4515	377.4515	0.0956	0.0000	379.4594
Total	**0.4531**	**4.0635**	**2.6802**	**4.2100e-003**		**0.2430**	**0.2430**		**0.2285**	**0.2285**	**0.0000**	**377.4515**	**377.4515**	**0.0956**	**0.0000**	**379.4594**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0624	0.4414	0.8380	1.1000e-003	0.0325	8.7000e-003	0.0412	9.2200e-003	8.0000e-003	0.0172	0.0000	98.1802	98.1802	6.4000e-004	0.0000	98.1937
Worker	0.0659	0.0940	0.8922	1.6500e-003	0.1426	9.2000e-004	0.1435	0.0379	8.5000e-004	0.0387	0.0000	116.7767	116.7767	7.0000e-003	0.0000	116.9238
Total	**0.1283**	**0.5353**	**1.7302**	**2.7500e-003**	**0.1751**	**9.6200e-003**	**0.1847**	**0.0471**	**8.8500e-003**	**0.0559**	**0.0000**	**214.9569**	**214.9569**	**7.6400e-003**	**0.0000**	**215.1175**

3.4 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4531	3.2508	2.6802	4.2100e-003		0.2430	0.2430		0.2285	0.2285	0.0000	377.4510	377.4510	0.0956	0.0000	379.4590
Total	**0.4531**	**3.2508**	**2.6802**	**4.2100e-003**		**0.2430**	**0.2430**		**0.2285**	**0.2285**	**0.0000**	**377.4510**	**377.4510**	**0.0956**	**0.0000**	**379.4590**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0624	0.4414	0.8380	1.1000e-003	0.0325	8.7000e-003	0.0412	9.2200e-003	8.0000e-003	0.0172	0.0000	98.1802	98.1802	6.4000e-004	0.0000	98.1937
Worker	0.0659	0.0940	0.8922	1.6500e-003	0.1426	9.2000e-004	0.1435	0.0379	8.5000e-004	0.0387	0.0000	116.7767	116.7767	7.0000e-003	0.0000	116.9238
Total	**0.1283**	**0.5353**	**1.7302**	**2.7500e-003**	**0.1751**	**9.6200e-003**	**0.1847**	**0.0471**	**8.8500e-003**	**0.0559**	**0.0000**	**214.9569**	**214.9569**	**7.6400e-003**	**0.0000**	**215.1175**

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6783	6.0982	4.5306	7.3200e-003		0.3547	0.3547		0.3339	0.3339	0.0000	649.1747	649.1747	0.1640	0.0000	652.6195
Total	**0.6783**	**6.0982**	**4.5306**	**7.3200e-003**		**0.3547**	**0.3547**		**0.3339**	**0.3339**	**0.0000**	**649.1747**	**649.1747**	**0.1640**	**0.0000**	**652.6195**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0969	0.6977	1.3613	1.9100e-003	0.0564	0.0142	0.0706	0.0160	0.0131	0.0291	0.0000	167.7683	167.7683	1.1000e-003	0.0000	167.7913
Worker	0.1036	0.1499	1.4120	2.8700e-003	0.2481	1.5700e-003	0.2497	0.0659	1.4500e-003	0.0673	0.0000	195.3478	195.3478	0.0114	0.0000	195.5866
Total	**0.2004**	**0.8476**	**2.7733**	**4.7800e-003**	**0.3046**	**0.0158**	**0.3203**	**0.0819**	**0.0145**	**0.0964**	**0.0000**	**363.1161**	**363.1161**	**0.0125**	**0.0000**	**363.3779**

3.4 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6783	4.8785	4.5306	7.3200e-003		0.3547	0.3547		0.3339	0.3339	0.0000	649.1739	649.1739	0.1640	0.0000	652.6187
Total	**0.6783**	**4.8785**	**4.5306**	**7.3200e-003**		**0.3547**	**0.3547**		**0.3339**	**0.3339**	**0.0000**	**649.1739**	**649.1739**	**0.1640**	**0.0000**	**652.6187**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0969	0.6977	1.3613	1.9100e-003	0.0564	0.0142	0.0706	0.0160	0.0131	0.0291	0.0000	167.7683	167.7683	1.1000e-003	0.0000	167.7913
Worker	0.1036	0.1499	1.4120	2.8700e-003	0.2481	1.5700e-003	0.2497	0.0659	1.4500e-003	0.0673	0.0000	195.3478	195.3478	0.0114	0.0000	195.5866
Total	**0.2004**	**0.8476**	**2.7733**	**4.7800e-003**	**0.3046**	**0.0158**	**0.3203**	**0.0819**	**0.0145**	**0.0964**	**0.0000**	**363.1161**	**363.1161**	**0.0125**	**0.0000**	**363.3779**

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6103	5.5290	4.4655	7.3200e-003		0.3128	0.3128		0.2944	0.2944	0.0000	641.7004	641.7004	0.1619	0.0000	645.1009
Total	**0.6103**	**5.5290**	**4.4655**	**7.3200e-003**		**0.3128**	**0.3128**		**0.2944**	**0.2944**	**0.0000**	**641.7004**	**641.7004**	**0.1619**	**0.0000**	**645.1009**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0888	0.6378	1.2908	1.9100e-003	0.0564	0.0132	0.0696	0.0160	0.0121	0.0281	0.0000	164.7708	164.7708	1.0700e-003	0.0000	164.7934
Worker	0.0951	0.1384	1.3066	2.8700e-003	0.2481	1.5700e-003	0.2497	0.0659	1.4600e-003	0.0673	0.0000	188.0136	188.0136	0.0108	0.0000	188.2393
Total	**0.1838**	**0.7762**	**2.5973**	**4.7800e-003**	**0.3046**	**0.0147**	**0.3193**	**0.0819**	**0.0136**	**0.0955**	**0.0000**	**352.7845**	**352.7845**	**0.0118**	**0.0000**	**353.0327**

3.4 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6103	4.4232	4.4655	7.3200e-003		0.3128	0.3128		0.2944	0.2944	0.0000	641.6997	641.6997	0.1619	0.0000	645.1001
Total	**0.6103**	**4.4232**	**4.4655**	**7.3200e-003**		**0.3128**	**0.3128**		**0.2944**	**0.2944**	**0.0000**	**641.6997**	**641.6997**	**0.1619**	**0.0000**	**645.1001**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0888	0.6378	1.2908	1.9100e-003	0.0564	0.0132	0.0696	0.0160	0.0121	0.0281	0.0000	164.7708	164.7708	1.0700e-003	0.0000	164.7934
Worker	0.0951	0.1384	1.3066	2.8700e-003	0.2481	1.5700e-003	0.2497	0.0659	1.4600e-003	0.0673	0.0000	188.0136	188.0136	0.0108	0.0000	188.2393
Total	**0.1838**	**0.7762**	**2.5973**	**4.7800e-003**	**0.3046**	**0.0147**	**0.3193**	**0.0819**	**0.0136**	**0.0955**	**0.0000**	**352.7845**	**352.7845**	**0.0118**	**0.0000**	**353.0327**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5619	5.0834	4.4338	7.3500e-003		0.2805	0.2805		0.2638	0.2638	0.0000	634.1181	634.1181	0.1608	0.0000	637.4955
Total	**0.5619**	**5.0834**	**4.4338**	**7.3500e-003**		**0.2805**	**0.2805**		**0.2638**	**0.2638**	**0.0000**	**634.1181**	**634.1181**	**0.1608**	**0.0000**	**637.4955**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0764	0.5445	1.1894	1.9100e-003	0.0566	0.0119	0.0685	0.0161	0.0109	0.0270	0.0000	161.4752	161.4752	1.0400e-003	0.0000	161.4970
Worker	0.0890	0.1302	1.2263	2.8800e-003	0.2491	1.5800e-003	0.2507	0.0661	1.4700e-003	0.0676	0.0000	181.0719	181.0719	0.0103	0.0000	181.2878
Total	**0.1654**	**0.6747**	**2.4157**	**4.7900e-003**	**0.3057**	**0.0135**	**0.3192**	**0.0822**	**0.0124**	**0.0946**	**0.0000**	**342.5471**	**342.5471**	**0.0113**	**0.0000**	**342.7848**

3.4 Building Construction - 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	0.5619	4.0667	4.4338	7.3500e-003		0.2805	0.2805		0.2638	0.2638	0.0000	634.1174	634.1174	0.1608	0.0000	637.4947
Total	**0.5619**	**4.0667**	**4.4338**	**7.3500e-003**		**0.2805**	**0.2805**		**0.2638**	**0.2638**	**0.0000**	**634.1174**	**634.1174**	**0.1608**	**0.0000**	**637.4947**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0764	0.5445	1.1894	1.9100e-003	0.0566	0.0119	0.0685	0.0161	0.0109	0.0270	0.0000	161.4752	161.4752	1.0400e-003	0.0000	161.4970
Worker	0.0890	0.1302	1.2263	2.8800e-003	0.2491	1.5800e-003	0.2507	0.0661	1.4700e-003	0.0676	0.0000	181.0719	181.0719	0.0103	0.0000	181.2878
Total	**0.1654**	**0.6747**	**2.4157**	**4.7900e-003**	**0.3057**	**0.0135**	**0.3192**	**0.0822**	**0.0124**	**0.0946**	**0.0000**	**342.5471**	**342.5471**	**0.0113**	**0.0000**	**342.7848**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5052	4.5572	4.3687	7.3200e-003		0.2431	0.2431		0.2286	0.2286	0.0000	631.6535	631.6535	0.1587	0.0000	634.9859
Total	**0.5052**	**4.5572**	**4.3687**	**7.3200e-003**		**0.2431**	**0.2431**		**0.2286**	**0.2286**	**0.0000**	**631.6535**	**631.6535**	**0.1587**	**0.0000**	**634.9859**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0708	0.4475	1.1340	1.9000e-003	0.0564	0.0103	0.0667	0.0160	9.4800e-003	0.0255	0.0000	160.6361	160.6361	1.0400e-003	0.0000	160.6580
Worker	0.0840	0.1230	1.1636	2.8700e-003	0.2481	1.5900e-003	0.2497	0.0659	1.4800e-003	0.0674	0.0000	177.7257	177.7257	9.9500e-003	0.0000	177.9347
Total	**0.1548**	**0.5705**	**2.2976**	**4.7700e-003**	**0.3045**	**0.0119**	**0.3164**	**0.0819**	**0.0110**	**0.0928**	**0.0000**	**338.3618**	**338.3618**	**0.0110**	**0.0000**	**338.5926**

3.4 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5052	3.6458	4.3687	7.3200e-003		0.2431	0.2431		0.2286	0.2286	0.0000	631.6527	631.6527	0.1587	0.0000	634.9852
Total	**0.5052**	**3.6458**	**4.3687**	**7.3200e-003**		**0.2431**	**0.2431**		**0.2286**	**0.2286**	**0.0000**	**631.6527**	**631.6527**	**0.1587**	**0.0000**	**634.9852**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0708	0.4475	1.1340	1.9000e-003	0.0564	0.0103	0.0667	0.0160	9.4800e-003	0.0255	0.0000	160.6361	160.6361	1.0400e-003	0.0000	160.6580
Worker	0.0840	0.1230	1.1636	2.8700e-003	0.2481	1.5900e-003	0.2497	0.0659	1.4800e-003	0.0674	0.0000	177.7257	177.7257	9.9500e-003	0.0000	177.9347
Total	**0.1548**	**0.5705**	**2.2976**	**4.7700e-003**	**0.3045**	**0.0119**	**0.3164**	**0.0819**	**0.0110**	**0.0928**	**0.0000**	**338.3618**	**338.3618**	**0.0110**	**0.0000**	**338.5926**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4542	4.0046	4.3078	7.3000e-003		0.2093	0.2093		0.1969	0.1969	0.0000	629.2945	629.2945	0.1572	0.0000	632.5960
Total	**0.4542**	**4.0046**	**4.3078**	**7.3000e-003**		**0.2093**	**0.2093**		**0.1969**	**0.1969**	**0.0000**	**629.2945**	**629.2945**	**0.1572**	**0.0000**	**632.5960**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0684	0.4010	1.1096	1.8900e-003	0.0562	0.0101	0.0663	0.0159	9.3000e-003	0.0252	0.0000	159.8169	159.8169	1.0600e-003	0.0000	159.8391
Worker	0.0799	0.1176	1.1043	2.8600e-003	0.2472	1.5900e-003	0.2488	0.0656	1.4800e-003	0.0671	0.0000	174.4402	174.4402	9.6300e-003	0.0000	174.6426
Total	**0.1483**	**0.5186**	**2.2139**	**4.7500e-003**	**0.3033**	**0.0117**	**0.3150**	**0.0816**	**0.0108**	**0.0923**	**0.0000**	**334.2572**	**334.2572**	**0.0107**	**0.0000**	**334.4817**

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4542	3.2037	4.3078	7.3000e-003		0.2093	0.2093		0.1969	0.1969	0.0000	629.2937	629.2937	0.1572	0.0000	632.5953
Total	**0.4542**	**3.2037**	**4.3078**	**7.3000e-003**		**0.2093**	**0.2093**		**0.1969**	**0.1969**	**0.0000**	**629.2937**	**629.2937**	**0.1572**	**0.0000**	**632.5953**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0684	0.4010	1.1096	1.8900e-003	0.0562	0.0101	0.0663	0.0159	9.3000e-003	0.0252	0.0000	159.8169	159.8169	1.0600e-003	0.0000	159.8391
Worker	0.0799	0.1176	1.1043	2.8600e-003	0.2472	1.5900e-003	0.2488	0.0656	1.4800e-003	0.0671	0.0000	174.4402	174.4402	9.6300e-003	0.0000	174.6426
Total	**0.1483**	**0.5186**	**2.2139**	**4.7500e-003**	**0.3033**	**0.0117**	**0.3150**	**0.0816**	**0.0108**	**0.0923**	**0.0000**	**334.2572**	**334.2572**	**0.0107**	**0.0000**	**334.4817**

3.4 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	0.2367	2.0589	2.3910	4.0700e-003		0.1043	0.1043		0.0980	0.0980	0.0000	350.9678	350.9678	0.0871	0.0000	352.7970
Total	**0.2367**	**2.0589**	**2.3910**	**4.0700e-003**		**0.1043**	**0.1043**		**0.0980**	**0.0980**	**0.0000**	**350.9678**	**350.9678**	**0.0871**	**0.0000**	**352.7970**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0357	0.1971	0.5955	1.0500e-003	0.0313	5.4000e-003	0.0367	8.8800e-003	4.9700e-003	0.0139	0.0000	88.9049	88.9049	5.6000e-004	0.0000	88.9165
Worker	0.0427	0.0633	0.5888	1.5900e-003	0.1379	8.9000e-004	0.1388	0.0366	8.3000e-004	0.0374	0.0000	95.9931	95.9931	5.2400e-003	0.0000	96.1032
Total	**0.0783**	**0.2604**	**1.1843**	**2.6400e-003**	**0.1692**	**6.2900e-003**	**0.1755**	**0.0455**	**5.8000e-003**	**0.0513**	**0.0000**	**184.8980**	**184.8980**	**5.8000e-003**	**0.0000**	**185.0197**

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2367	1.6471	2.3910	4.0700e-003		0.1043	0.1043		0.0980	0.0980	0.0000	350.9674	350.9674	0.0871	0.0000	352.7966
Total	**0.2367**	**1.6471**	**2.3910**	**4.0700e-003**		**0.1043**	**0.1043**		**0.0980**	**0.0980**	**0.0000**	**350.9674**	**350.9674**	**0.0871**	**0.0000**	**352.7966**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0357	0.1971	0.5955	1.0500e-003	0.0313	5.4000e-003	0.0367	8.8800e-003	4.9700e-003	0.0139	0.0000	88.9049	88.9049	5.6000e-004	0.0000	88.9165
Worker	0.0427	0.0633	0.5888	1.5900e-003	0.1379	8.9000e-004	0.1388	0.0366	8.3000e-004	0.0374	0.0000	95.9931	95.9931	5.2400e-003	0.0000	96.1032
Total	**0.0783**	**0.2604**	**1.1843**	**2.6400e-003**	**0.1692**	**6.2900e-003**	**0.1755**	**0.0455**	**5.8000e-003**	**0.0513**	**0.0000**	**184.8980**	**184.8980**	**5.8000e-003**	**0.0000**	**185.0197**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1013	0.9409	1.1295	1.7400e-003		0.0496	0.0496		0.0461	0.0461	0.0000	151.5053	151.5053	0.0422	0.0000	152.3921
Paving	6.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1079**	**0.9409**	**1.1295**	**1.7400e-003**		**0.0496**	**0.0496**		**0.0461**	**0.0461**	**0.0000**	**151.5053**	**151.5053**	**0.0422**	**0.0000**	**152.3921**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.1100e-003	3.1300e-003	0.0291	8.0000e-005	6.8200e-003	4.0000e-005	6.8600e-003	1.8100e-003	4.0000e-005	1.8500e-003	0.0000	4.7493	4.7493	2.6000e-004	0.0000	4.7547
Total	**2.1100e-003**	**3.1300e-003**	**0.0291**	**8.0000e-005**	**6.8200e-003**	**4.0000e-005**	**6.8600e-003**	**1.8100e-003**	**4.0000e-005**	**1.8500e-003**	**0.0000**	**4.7493**	**4.7493**	**2.6000e-004**	**0.0000**	**4.7547**

3.5 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1013	0.7527	1.1295	1.7400e-003		0.0496	0.0496		0.0461	0.0461	0.0000	151.5051	151.5051	0.0422	0.0000	152.3919
Paving	6.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1079**	**0.7527**	**1.1295**	**1.7400e-003**		**0.0496**	**0.0496**		**0.0461**	**0.0461**	**0.0000**	**151.5051**	**151.5051**	**0.0422**	**0.0000**	**152.3919**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	2.1100e-003	3.1300e-003	0.0291	8.0000e-005	6.8200e-003	4.0000e-005	6.8600e-003	1.8100e-003	4.0000e-005	1.8500e-003	0.0000	4.7493	4.7493	2.6000e-004	0.0000	4.7547
Total	**2.1100e-003**	**3.1300e-003**	**0.0291**	**8.0000e-005**	**6.8200e-003**	**4.0000e-005**	**6.8600e-003**	**1.8100e-003**	**4.0000e-005**	**1.8500e-003**	**0.0000**	**4.7493**	**4.7493**	**2.6000e-004**	**0.0000**	**4.7547**

3.6 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	0.1731					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4000e-004	4.2400e-003	6.5400e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	0.9105	0.9105	1.3000e-004	0.0000	0.9132
Total	**0.1737**	**4.2400e-003**	**6.5400e-003**	**1.0000e-005**		**1.9000e-004**	**1.9000e-004**		**1.9000e-004**	**1.9000e-004**	**0.0000**	**0.9105**	**0.9105**	**1.3000e-004**	**0.0000**	**0.9132**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.1800e-003	1.7500e-003	0.0162	4.0000e-005	0.0137	2.0000e-005	0.0137	3.4400e-003	2.0000e-005	3.4600e-003	0.0000	2.6481	2.6481	1.4000e-004	0.0000	2.6511
Total	**1.1800e-003**	**1.7500e-003**	**0.0162**	**4.0000e-005**	**0.0137**	**2.0000e-005**	**0.0137**	**3.4400e-003**	**2.0000e-005**	**3.4600e-003**	**0.0000**	**2.6481**	**2.6481**	**1.4000e-004**	**0.0000**	**2.6511**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1731					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4000e-004	3.3900e-003	6.5400e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	0.9105	0.9105	1.3000e-004	0.0000	0.9132
Total	**0.1737**	**3.3900e-003**	**6.5400e-003**	**1.0000e-005**		**1.9000e-004**	**1.9000e-004**		**1.9000e-004**	**1.9000e-004**	**0.0000**	**0.9105**	**0.9105**	**1.3000e-004**	**0.0000**	**0.9132**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	1.1800e-003	1.7500e-003	0.0162	4.0000e-005	0.0137	2.0000e-005	0.0137	3.4400e-003	2.0000e-005	3.4600e-003	0.0000	2.6481	2.6481	1.4000e-004	0.0000	2.6511
Total	**1.1800e-003**	**1.7500e-003**	**0.0162**	**4.0000e-005**	**0.0137**	**2.0000e-005**	**0.0137**	**3.4400e-003**	**2.0000e-005**	**3.4600e-003**	**0.0000**	**2.6481**	**2.6481**	**1.4000e-004**	**0.0000**	**2.6511**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.6355					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.0844	0.1374	2.2000e-004		3.5500e-003	3.5500e-003		3.5200e-003	3.5200e-003	0.0000	19.1212	19.1212	2.6000e-003	0.0000	19.1759
Total	**3.6463**	**0.0844**	**0.1374**	**2.2000e-004**		**3.5500e-003**	**3.5500e-003**		**3.5200e-003**	**3.5200e-003**	**0.0000**	**19.1212**	**19.1212**	**2.6000e-003**	**0.0000**	**19.1759**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0240	0.0357	0.3339	9.3000e-004	0.2877	5.3000e-004	0.2882	0.0722	4.9000e-004	0.0727	0.0000	55.6133	55.6133	3.0400e-003	0.0000	55.6771
Total	**0.0240**	**0.0357**	**0.3339**	**9.3000e-004**	**0.2877**	**5.3000e-004**	**0.2882**	**0.0722**	**4.9000e-004**	**0.0727**	**0.0000**	**55.6133**	**55.6133**	**3.0400e-003**	**0.0000**	**55.6771**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.6355					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.0675	0.1374	2.2000e-004		3.5500e-003	3.5500e-003		3.5200e-003	3.5200e-003	0.0000	19.1212	19.1212	2.6000e-003	0.0000	19.1759
Total	**3.6463**	**0.0675**	**0.1374**	**2.2000e-004**		**3.5500e-003**	**3.5500e-003**		**3.5200e-003**	**3.5200e-003**	**0.0000**	**19.1212**	**19.1212**	**2.6000e-003**	**0.0000**	**19.1759**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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	0.0240	0.0357	0.3339	9.3000e-004	0.2877	5.3000e-004	0.2882	0.0722	4.9000e-004	0.0727	0.0000	55.6133	55.6133	3.0400e-003	0.0000	55.6771
Total	**0.0240**	**0.0357**	**0.3339**	**9.3000e-004**	**0.2877**	**5.3000e-004**	**0.2882**	**0.0722**	**4.9000e-004**	**0.0727**	**0.0000**	**55.6133**	**55.6133**	**3.0400e-003**	**0.0000**	**55.6771**

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	4.0069	7.9815	42.5141	0.0874	5.6084	0.1660	5.7743	1.4982	0.1530	1.6512	0.0000	5,886.3975	5,886.3975	0.2185	0.0000	5,890.9852
Unmitigated	4.0069	7.9815	42.5141	0.0874	5.6084	0.1660	5.7743	1.4982	0.1530	1.6512	0.0000	5,886.3975	5,886.3975	0.2185	0.0000	5,890.9852

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	9,648.00	3,376.80	321.60	12,134,005	12,134,005
Library	1,639.80	1,396.50	764.70	2,547,548	2,547,548
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	11,287.80	4,773.30	1,086.30	14,681,553	14,681,553

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
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1
Library	12.50	4.20	5.40	52.00	43.00	5.00	44	44	12
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.467876	0.065956	0.172405	0.161468	0.036746	0.005953	0.010744	0.069773	0.001331	0.001228	0.003449	0.000500	0.002571

5.0 Energy Detail

4.4 Fleet Mix

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	855.6676	855.6676	0.0393	8.1400e-003	859.0163
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	855.6676	855.6676	0.0393	8.1400e-003	859.0163
NaturalGas Mitigated	0.0289	0.2629	0.2209	1.5800e-003		0.0200	0.0200		0.0200	0.0200	0.0000	286.2275	286.2275	5.4900e-003	5.2500e-003	287.9694
NaturalGas Unmitigated	0.0289	0.2629	0.2209	1.5800e-003		0.0200	0.0200		0.0200	0.0200	0.0000	286.2275	286.2275	5.4900e-003	5.2500e-003	287.9694

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					
Junior College (2Yr)	4.365e+006	0.0235	0.2140	0.1797	1.2800e-003		0.0163	0.0163		0.0163	0.0163	0.0000	232.9330	232.9330	4.4600e-003	4.2700e-003	234.3506
Library	998700	5.3900e-003	0.0490	0.0411	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003	0.0000	53.2944	53.2944	1.0200e-003	9.8000e-004	53.6188
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
Total		**0.0289**	**0.2629**	**0.2209**	**1.5700e-003**		**0.0200**	**0.0200**		**0.0200**	**0.0200**	**0.0000**	**286.2275**	**286.2275**	**5.4800e-003**	**5.2500e-003**	**287.9694**

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					
Library	998700	5.3900e-003	0.0490	0.0411	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003	0.0000	53.2944	53.2944	1.0200e-003	9.8000e-004	53.6188
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
Junior College (2Yr)	4.365e+006	0.0235	0.2140	0.1797	1.2800e-003		0.0163	0.0163		0.0163	0.0163	0.0000	232.9330	232.9330	4.4600e-003	4.2700e-003	234.3506
Total		**0.0289**	**0.2629**	**0.2209**	**1.5700e-003**		**0.0200**	**0.0200**		**0.0200**	**0.0200**	**0.0000**	**286.2275**	**286.2275**	**5.4800e-003**	**5.2500e-003**	**287.9694**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	2.658e+006	760.6316	0.0350	7.2300e-003	763.6083
Library	332100	95.0360	4.3700e-003	9.0000e-004	95.4080
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**855.6676**	**0.0393**	**8.1300e-003**	**859.0163**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	2.658e+006	760.6316	0.0350	7.2300e-003	763.6083
Library	332100	95.0360	4.3700e-003	9.0000e-004	95.4080
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**855.6676**	**0.0393**	**8.1300e-003**	**859.0163**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.7810	6.7000e-004	0.0740	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	0.1443	0.1443	3.8000e-004	0.0000	0.1522
Unmitigated	2.7810	6.7000e-004	0.0740	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	0.1443	0.1443	3.8000e-004	0.0000	0.1522

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	0.6348					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.1394					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.8100e-003	6.7000e-004	0.0740	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	0.1443	0.1443	3.8000e-004	0.0000	0.1522
Total	**2.7810**	**6.7000e-004**	**0.0740**	**1.0000e-005**		**2.6000e-004**	**2.6000e-004**		**2.6000e-004**	**2.6000e-004**	**0.0000**	**0.1443**	**0.1443**	**3.8000e-004**	**0.0000**	**0.1522**

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	0.6348					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.1394					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.8100e-003	6.7000e-004	0.0740	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	0.1443	0.1443	3.8000e-004	0.0000	0.1522
Total	**2.7810**	**6.7000e-004**	**0.0740**	**1.0000e-005**		**2.6000e-004**	**2.6000e-004**		**2.6000e-004**	**2.6000e-004**	**0.0000**	**0.1443**	**0.1443**	**3.8000e-004**	**0.0000**	**0.1522**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	163.6722	0.5987	0.0155	181.0327
Unmitigated	163.6722	0.5988	0.0155	181.0419

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	17.2144 / 26.9252	155.2090	0.5678	0.0147	171.6805
Library	0.938667 / 1.46817	8.4632	0.0310	8.0000e-004	9.3614
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**163.6722**	**0.5988**	**0.0155**	**181.0419**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	17.2144 / 26.9252	155.2090	0.5677	0.0147	171.6718
Library	0.938667 / 1.46817	8.4632	0.0310	8.0000e-004	9.3609
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**163.6722**	**0.5987**	**0.0155**	**181.0327**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	303.4573	17.9338	0.0000	680.0673
Unmitigated	303.4573	17.9338	0.0000	680.0673

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	1467.3	297.8486	17.6024	0.0000	667.4980
Library	27.63	5.6086	0.3315	0.0000	12.5693
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**303.4573**	**17.9338**	**0.0000**	**680.0673**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	1467.3	297.8486	17.6024	0.0000	667.4980
Library	27.63	5.6086	0.3315	0.0000	12.5693
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**303.4573**	**17.9338**	**0.0000**	**680.0673**

9.0 Operational Offroad

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

10.0 Vegetation

Mall Repurposing Buildout

Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	8,040.00	Student	11.45	300,000.00	0
Library	30.00	1000sqft	0.69	30,000.00	0
Other Asphalt Surfaces	5.00	Acre	5.00	217,800.00	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)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Includes remodeling of the existing mall, construction of 300,000 sf of College space (incl. conference center and retail), 30,000 SF Library. Existing on-site parking will remain.

Construction Phase - Assumes a 8 year buildout for AQ analysis purposes (buildout at 2025). Actual development will likely occur gradually with full buildout closer to 2030.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT - Hauling trips based on demo estimate from Demo Unlimited Inc. plus the additional 33 trips for 500 tons of concrete debris.

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition - Demolition assumes the removal of materials during renovation. Assumes possibitly of 1/4 of total building square footage would be removed.

Grading - Assumes 1/3 of Proposed Project material import in the event portions of the site need to be regraded to meet current building code standards.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Trip rate was adjusted to reflect results of Traffic Report. Library = 1,640 daily trips: [30 (1,000s) SF x 54.66]

Road Dust - All roads are paved.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00

tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
tblConstEquipMitigation	OxidationCatalyst	0.00	20.00
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tblConstructionPhase	NumDays	300.00	1,600.00
tblConstructionPhase	NumDays	20.00	50.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	20.00	110.00
tblGrading	AcresOfGrading	90.00	10.00
tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	LandUseSquareFeet	350,963.99	300,000.00
tblLandUse	LotAcreage	8.06	11.45
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	3.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
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tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
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tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
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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	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
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tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblRoadDust	RoadPercentPave	50	100
tblTripsAndVMT	WorkerTripNumber	33.00	15.00
tblTripsAndVMT	WorkerTripNumber	33.00	20.00
tblTripsAndVMT	WorkerTripNumber	28.00	15.00
tblVehicleTrips	WD_TR	56.24	54.66

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					
2017	7.9526	64.2484	59.5216	0.0933	5.2586	3.3832	8.6418	2.6512	3.1639	5.7651	0.0000	8,746.2811	8,746.2811	1.5643	0.0000	8,779.1318
2018	6.9137	52.9035	56.4966	0.0933	2.3612	2.8382	5.1994	0.6343	2.6694	3.3037	0.0000	8,588.7704	8,588.7704	1.4907	0.0000	8,620.0752
2019	6.2501	48.0285	54.5232	0.0932	2.3611	2.5093	4.8704	0.6342	2.3590	2.9933	0.0000	8,437.2103	8,437.2103	1.4674	0.0000	8,468.0260
2020	5.7009	43.7126	52.5296	0.0932	2.3608	2.2437	4.6046	0.6341	2.1081	2.7423	0.0000	8,253.9306	8,253.9306	1.4483	0.0000	8,284.3454
2021	5.1954	39.0909	51.2410	0.0932	2.3608	1.9535	4.3143	0.6341	1.8351	2.4692	0.0000	8,228.7403	8,228.7403	1.4331	0.0000	8,258.8345
2022	4.7633	34.6105	50.2816	0.0931	2.3607	1.6999	4.0606	0.6341	1.5969	2.2310	0.0000	8,205.0229	8,205.0229	1.4235	0.0000	8,234.9173
2023	70.0391	31.8305	49.4131	0.0931	5.5534	1.5255	5.6409	1.3936	1.4320	2.0661	0.0000	8,181.8724	8,181.8724	1.4123	0.0000	8,211.5311
2024	70.0088	2.2431	9.6975	0.0224	5.5534	0.0778	5.6312	1.3936	0.0765	1.4701	0.0000	1,591.4170	1,591.4170	0.1185	0.0000	1,593.9048
Total	**176.8239**	**316.6679**	**383.7041**	**0.6747**	**28.1700**	**16.2311**	**42.9631**	**8.6092**	**15.2409**	**23.0406**	**0.0000**	**60,233.2449**	**60,233.2449**	**10.3582**	**0.0000**	**60,450.7662**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	7.9526	52.2498	59.5216	0.0933	2.3755	3.3832	5.7586	1.1221	3.1639	4.2360	0.0000	8,746.2811	8,746.2811	1.5643	0.0000	8,779.1318
2018	6.9137	43.5576	56.4966	0.0933	2.3612	2.8382	5.1994	0.6343	2.6694	3.3037	0.0000	8,588.7704	8,588.7704	1.4907	0.0000	8,620.0752
2019	6.2501	39.5549	54.5232	0.0932	2.3611	2.5093	4.8704	0.6342	2.3590	2.9933	0.0000	8,437.2103	8,437.2103	1.4674	0.0000	8,468.0260
2020	5.7009	35.9518	52.5296	0.0932	2.3608	2.2437	4.6046	0.6341	2.1081	2.7423	0.0000	8,253.9306	8,253.9306	1.4483	0.0000	8,284.3454
2021	5.1954	32.1066	51.2410	0.0932	2.3608	1.9535	4.3143	0.6341	1.8351	2.4692	0.0000	8,228.7403	8,228.7403	1.4331	0.0000	8,258.8345
2022	4.7633	28.4496	50.2816	0.0931	2.3607	1.6999	4.0606	0.6341	1.5969	2.2310	0.0000	8,205.0229	8,205.0229	1.4235	0.0000	8,234.9173
2023	70.0391	26.1508	49.4131	0.0931	5.5534	1.5255	5.6409	1.3936	1.4320	2.0661	0.0000	8,181.8724	8,181.8724	1.4123	0.0000	8,211.5311
2024	70.0088	1.9217	9.6975	0.0224	5.5534	0.0778	5.6312	1.3936	0.0765	1.4701	0.0000	1,591.4170	1,591.4170	0.1185	0.0000	1,593.9048
Total	**176.8239**	**259.9429**	**383.7041**	**0.6747**	**25.2868**	**16.2311**	**40.0800**	**7.0801**	**15.2409**	**21.5115**	**0.0000**	**60,233.2449**	**60,233.2449**	**10.3582**	**0.0000**	**60,450.7662**

	ROG	NOx	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**	**17.91**	**0.00**	**0.00**	**10.23**	**0.00**	**6.71**	**17.76**	**0.00**	**6.64**	**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	15.2768	7.4500e-003	0.8223	6.0000e-005		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		1.7672	1.7672	4.6000e-003		1.8638
Energy	0.1585	1.4407	1.2102	8.6400e-003		0.1095	0.1095		0.1095	0.1095		1,728.8316	1,728.8316	0.0331	0.0317	1,739.3530
Mobile	32.7524	53.0190	301.5888	0.6178	39.5034	1.1541	40.6575	10.5427	1.0639	11.6066		45,819.5673	45,819.5673	1.6756		45,854.7545
Total	**48.1877**	**54.4672**	**303.6213**	**0.6265**	**39.5034**	**1.2665**	**40.7699**	**10.5427**	**1.1763**	**11.7191**		**47,550.1661**	**47,550.1661**	**1.7133**	**0.0317**	**47,595.9713**

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	15.2768	7.4500e-003	0.8223	6.0000e-005		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		1.7672	1.7672	4.6000e-003		1.8638
Energy	0.1585	1.4407	1.2102	8.6400e-003		0.1095	0.1095		0.1095	0.1095		1,728.8316	1,728.8316	0.0331	0.0317	1,739.3530
Mobile	32.7524	53.0190	301.5888	0.6178	39.5034	1.1541	40.6575	10.5427	1.0639	11.6066		45,819.5673	45,819.5673	1.6756		45,854.7545
Total	**48.1877**	**54.4672**	**303.6213**	**0.6265**	**39.5034**	**1.2665**	**40.7699**	**10.5427**	**1.1763**	**11.7191**		**47,550.1661**	**47,550.1661**	**1.7133**	**0.0317**	**47,595.9713**

	ROG	NOx	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	1/1/2017	3/10/2017	5	50	
2	Grading	Grading	3/11/2017	6/2/2017	5	60	
3	Building Construction	Building Construction	6/3/2017	7/21/2023	5	1600	
4	Paving	Paving	7/22/2023	12/22/2023	5	110	
5	Architectural Coating	Architectural Coating	12/23/2023	5/24/2024	5	110	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 821,700; Non-Residential Outdoor: 273,900 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40

Demolition	Rubber Tired Loaders	2	6.00	199	0.36
Demolition	Signal Boards	1	6.00	6	0.82
Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42
Grading	Plate Compactors	1	6.00	8	0.43
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45

Paving	Concrete/Industrial Saws	1	6.00	81	0.73
Paving	Graders	1	6.00	174	0.41
Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	1	6.00	6	0.82
Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	13	15.00	0.00	375.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	13	20.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	230.00	90.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	11	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	46.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	46.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	46.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	46.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.6876	0.0000	1.6876	0.2556	0.0000	0.2556			0.0000			0.0000
Off-Road	5.4701	58.2022	36.6142	0.0511		2.9725	2.9725		2.7540	2.7540		5,181.7649	5,181.7649	1.4831		5,212.9101
Total	**5.4701**	**58.2022**	**36.6142**	**0.0511**	**1.6876**	**2.9725**	**4.6602**	**0.2556**	**2.7540**	**3.0095**		**5,181.7649**	**5,181.7649**	**1.4831**		**5,212.9101**

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1244	1.4953	1.6463	5.2500e-003	0.1313	0.0364	0.1677	0.0360	0.0335	0.0695		520.6469	520.6469	2.8400e-003		520.7065
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0710	0.0763	0.8690	1.4600e-003	0.1255	8.0000e-004	0.1263	0.0333	7.4000e-004	0.0340		114.0590	114.0590	6.7100e-003		114.2000
Total	**0.1954**	**1.5716**	**2.5152**	**6.7100e-003**	**0.2568**	**0.0372**	**0.2940**	**0.0693**	**0.0342**	**0.1035**		**634.7059**	**634.7059**	**9.5500e-003**		**634.9065**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.6582	0.0000	0.6582	0.0997	0.0000	0.0997			0.0000			0.0000
Off-Road	5.4701	46.5617	36.6142	0.0511		2.9725	2.9725		2.7540	2.7540	0.0000	5,181.7649	5,181.7649	1.4831		5,212.9101
Total	**5.4701**	**46.5617**	**36.6142**	**0.0511**	**0.6582**	**2.9725**	**3.6307**	**0.0997**	**2.7540**	**2.8536**	**0.0000**	**5,181.7649**	**5,181.7649**	**1.4831**		**5,212.9101**

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1244	1.4953	1.6463	5.2500e-003	0.1313	0.0364	0.1677	0.0360	0.0335	0.0695		520.6469	520.6469	2.8400e-003		520.7065
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0710	0.0763	0.8690	1.4600e-003	0.1255	8.0000e-004	0.1263	0.0333	7.4000e-004	0.0340		114.0590	114.0590	6.7100e-003		114.2000
Total	**0.1954**	**1.5716**	**2.5152**	**6.7100e-003**	**0.2568**	**0.0372**	**0.2940**	**0.0693**	**0.0342**	**0.1035**		**634.7059**	**634.7059**	**9.5500e-003**		**634.9065**

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.7265	0.0000	4.7265	2.5068	0.0000	2.5068			0.0000			0.0000
Off-Road	5.7119	59.9930	38.6036	0.0500		3.2811	3.2811		3.0200	3.0200		5,092.1083	5,092.1083	1.5475		5,124.6054
Total	**5.7119**	**59.9930**	**38.6036**	**0.0500**	**4.7265**	**3.2811**	**8.0076**	**2.5068**	**3.0200**	**5.5268**		**5,092.1083**	**5,092.1083**	**1.5475**		**5,124.6054**

3.3 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3455	4.1537	4.5730	0.0146	0.3648	0.1011	0.4658	0.1000	0.0929	0.1930		1,446.2413	1,446.2413	7.8900e-003		1,446.4070
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0946	0.1017	1.1586	1.9500e-003	0.1673	1.0600e-003	0.1684	0.0444	9.8000e-004	0.0454		152.0786	152.0786	8.9500e-003		152.2666
Total	**0.4401**	**4.2554**	**5.7316**	**0.0165**	**0.5321**	**0.1021**	**0.6342**	**0.1444**	**0.0939**	**0.2383**		**1,598.3200**	**1,598.3200**	**0.0168**		**1,598.6737**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.8433	0.0000	1.8433	0.9776	0.0000	0.9776			0.0000			0.0000
Off-Road	5.7119	47.9944	38.6036	0.0500		3.2811	3.2811		3.0200	3.0200	0.0000	5,092.1083	5,092.1083	1.5475		5,124.6054
Total	**5.7119**	**47.9944**	**38.6036**	**0.0500**	**1.8433**	**3.2811**	**5.1244**	**0.9776**	**3.0200**	**3.9977**	**0.0000**	**5,092.1083**	**5,092.1083**	**1.5475**		**5,124.6054**

3.3 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3455	4.1537	4.5730	0.0146	0.3648	0.1011	0.4658	0.1000	0.0929	0.1930		1,446.2413	1,446.2413	7.8900e-003		1,446.4070
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0946	0.1017	1.1586	1.9500e-003	0.1673	1.0600e-003	0.1684	0.0444	9.8000e-004	0.0454		152.0786	152.0786	8.9500e-003		152.2666
Total	**0.4401**	**4.2554**	**5.7316**	**0.0165**	**0.5321**	**0.1021**	**0.6342**	**0.1444**	**0.0939**	**0.2383**		**1,598.3200**	**1,598.3200**	**0.0168**		**1,598.6737**

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.0419	54.1797	35.7363	0.0561		3.2393	3.2393		3.0466	3.0466		5,547.5869	5,547.5869	1.4053		5,577.0987
Total	**6.0419**	**54.1797**	**35.7363**	**0.0561**		**3.2393**	**3.2393**		**3.0466**	**3.0466**		**5,547.5869**	**5,547.5869**	**1.4053**		**5,577.0987**

3.4 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.8226	5.6081	10.4612	0.0148	0.4371	0.1154	0.5525	0.1240	0.1061	0.2301		1,449.7898	1,449.7898	9.2400e-003		1,449.9838
Worker	1.0881	1.1697	13.3241	0.0224	1.9243	0.0122	1.9366	0.5104	0.0113	0.5217		1,748.9044	1,748.9044	0.1029		1,751.0660
Total	**1.9107**	**6.7778**	**23.7853**	**0.0372**	**2.3615**	**0.1276**	**2.4891**	**0.6344**	**0.1173**	**0.7517**		**3,198.6942**	**3,198.6942**	**0.1122**		**3,201.0497**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.0419	43.3437	35.7363	0.0561		3.2393	3.2393		3.0466	3.0466	0.0000	5,547.5869	5,547.5869	1.4053		5,577.0987
Total	**6.0419**	**43.3437**	**35.7363**	**0.0561**		**3.2393**	**3.2393**		**3.0466**	**3.0466**	**0.0000**	**5,547.5869**	**5,547.5869**	**1.4053**		**5,577.0987**

3.4 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.8226	5.6081	10.4612	0.0148	0.4371	0.1154	0.5525	0.1240	0.1061	0.2301		1,449.7898	1,449.7898	9.2400e-003		1,449.9838
Worker	1.0881	1.1697	13.3241	0.0224	1.9243	0.0122	1.9366	0.5104	0.0113	0.5217		1,748.9044	1,748.9044	0.1029		1,751.0660
Total	**1.9107**	**6.7778**	**23.7853**	**0.0372**	**2.3615**	**0.1276**	**2.4891**	**0.6344**	**0.1173**	**0.7517**		**3,198.6942**	**3,198.6942**	**0.1122**		**3,201.0497**

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1975	46.7291	34.7172	0.0561		2.7180	2.7180		2.5588	2.5588		5,483.4680	5,483.4680	1.3856		5,512.5659
Total	**5.1975**	**46.7291**	**34.7172**	**0.0561**		**2.7180**	**2.7180**		**2.5588**	**2.5588**		**5,483.4680**	**5,483.4680**	**1.3856**		**5,512.5659**

3.4 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.7326	5.1015	9.6704	0.0147	0.4369	0.1081	0.5450	0.1239	0.0994	0.2233		1,423.8018	1,423.8018	9.0600e-003		1,423.9920
Worker	0.9837	1.0729	12.1089	0.0224	1.9243	0.0120	1.9364	0.5104	0.0111	0.5215		1,681.5006	1,681.5006	0.0960		1,683.5173
Total	**1.7163**	**6.1744**	**21.7793**	**0.0372**	**2.3612**	**0.1202**	**2.4814**	**0.6343**	**0.1106**	**0.7449**		**3,105.3024**	**3,105.3024**	**0.1051**		**3,107.5093**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1975	37.3833	34.7172	0.0561		2.7180	2.7180		2.5588	2.5588	0.0000	5,483.4680	5,483.4680	1.3856		5,512.5659
Total	**5.1975**	**37.3833**	**34.7172**	**0.0561**		**2.7180**	**2.7180**		**2.5588**	**2.5588**	**0.0000**	**5,483.4680**	**5,483.4680**	**1.3856**		**5,512.5659**

3.4 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.7326	5.1015	9.6704	0.0147	0.4369	0.1081	0.5450	0.1239	0.0994	0.2233		1,423.8018	1,423.8018	9.0600e-003		1,423.9920
Worker	0.9837	1.0729	12.1089	0.0224	1.9243	0.0120	1.9364	0.5104	0.0111	0.5215		1,681.5006	1,681.5006	0.0960		1,683.5173
Total	**1.7163**	**6.1744**	**21.7793**	**0.0372**	**2.3612**	**0.1202**	**2.4814**	**0.6343**	**0.1106**	**0.7449**		**3,105.3024**	**3,105.3024**	**0.1051**		**3,107.5093**

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6769	42.3678	34.2182	0.0561		2.3969	2.3969		2.2555	2.2555		5,420.3343	5,420.3343	1.3678		5,449.0575
Total	**4.6769**	**42.3678**	**34.2182**	**0.0561**		**2.3969**	**2.3969**		**2.2555**	**2.2555**		**5,420.3343**	**5,420.3343**	**1.3678**		**5,449.0575**

3.4 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.6705	4.6693	9.1095	0.0147	0.4367	0.1004	0.5371	0.1238	0.0924	0.2162		1,398.3860	1,398.3860	8.8800e-003		1,398.5725
Worker	0.9027	0.9914	11.1955	0.0224	1.9243	0.0120	1.9364	0.5104	0.0112	0.5216		1,618.4900	1,618.4900	0.0908		1,620.3961
Total	**1.5732**	**5.6607**	**20.3050**	**0.0371**	**2.3611**	**0.1125**	**2.4735**	**0.6342**	**0.1035**	**0.7377**		**3,016.8760**	**3,016.8760**	**0.0997**		**3,018.9686**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6769	33.8942	34.2182	0.0561		2.3969	2.3969		2.2555	2.2555	0.0000	5,420.3343	5,420.3343	1.3678		5,449.0575
Total	**4.6769**	**33.8942**	**34.2182**	**0.0561**		**2.3969**	**2.3969**		**2.2555**	**2.2555**	**0.0000**	**5,420.3343**	**5,420.3343**	**1.3678**		**5,449.0575**

3.4 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.6705	4.6693	9.1095	0.0147	0.4367	0.1004	0.5371	0.1238	0.0924	0.2162		1,398.3860	1,398.3860	8.8800e-003		1,398.5725
Worker	0.9027	0.9914	11.1955	0.0224	1.9243	0.0120	1.9364	0.5104	0.0112	0.5216		1,618.4900	1,618.4900	0.0908		1,620.3961
Total	**1.5732**	**5.6607**	**20.3050**	**0.0371**	**2.3611**	**0.1125**	**2.4735**	**0.6342**	**0.1035**	**0.7377**		**3,016.8760**	**3,016.8760**	**0.0997**		**3,018.9686**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2890	38.8043	33.8459	0.0561		2.1414	2.1414		2.0139	2.0139		5,335.8439	5,335.8439	1.3533		5,364.2631
Total	**4.2890**	**38.8043**	**33.8459**	**0.0561**		**2.1414**	**2.1414**		**2.0139**	**2.0139**		**5,335.8439**	**5,335.8439**	**1.3533**		**5,364.2631**

3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5723	3.9797	8.2234	0.0146	0.4365	0.0903	0.5268	0.1237	0.0831	0.2068		1,365.2180	1,365.2180	8.5300e-003		1,365.3972
Worker	0.8396	0.9287	10.4603	0.0224	1.9243	0.0121	1.9364	0.5104	0.0112	0.5216		1,552.8687	1,552.8687	0.0865		1,554.6851
Total	**1.4119**	**4.9084**	**18.6837**	**0.0370**	**2.3608**	**0.1023**	**2.4632**	**0.6341**	**0.0942**	**0.7284**		**2,918.0866**	**2,918.0866**	**0.0950**		**2,920.0823**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2890	31.0434	33.8459	0.0561		2.1414	2.1414		2.0139	2.0139	0.0000	5,335.8439	5,335.8439	1.3533		5,364.2631
Total	**4.2890**	**31.0434**	**33.8459**	**0.0561**		**2.1414**	**2.1414**		**2.0139**	**2.0139**	**0.0000**	**5,335.8439**	**5,335.8439**	**1.3533**		**5,364.2631**

3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5723	3.9797	8.2234	0.0146	0.4365	0.0903	0.5268	0.1237	0.0831	0.2068		1,365.2180	1,365.2180	8.5300e-003		1,365.3972
Worker	0.8396	0.9287	10.4603	0.0224	1.9243	0.0121	1.9364	0.5104	0.0112	0.5216		1,552.8687	1,552.8687	0.0865		1,554.6851
Total	**1.4119**	**4.9084**	**18.6837**	**0.0370**	**2.3608**	**0.1023**	**2.4632**	**0.6341**	**0.0942**	**0.7284**		**2,918.0866**	**2,918.0866**	**0.0950**		**2,920.0823**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8712	34.9212	33.4769	0.0561		1.8627	1.8627		1.7514	1.7514		5,335.4696	5,335.4696	1.3404		5,363.6181
Total	**3.8712**	**34.9212**	**33.4769**	**0.0561**		**1.8627**	**1.8627**		**1.7514**	**1.7514**		**5,335.4696**	**5,335.4696**	**1.3404**		**5,363.6181**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5314	3.2887	7.8091	0.0146	0.4364	0.0786	0.5151	0.1237	0.0723	0.1960		1,363.3393	1,363.3393	8.6000e-003		1,363.5200
Worker	0.7928	0.8810	9.9550	0.0224	1.9243	0.0122	1.9366	0.5104	0.0113	0.5218		1,529.9314	1,529.9314	0.0841		1,531.6965
Total	**1.3242**	**4.1697**	**17.7641**	**0.0370**	**2.3608**	**0.0908**	**2.4516**	**0.6341**	**0.0837**	**0.7178**		**2,893.2707**	**2,893.2707**	**0.0927**		**2,895.2164**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8712	27.9370	33.4769	0.0561		1.8627	1.8627		1.7514	1.7514	0.0000	5,335.4696	5,335.4696	1.3404		5,363.6181
Total	**3.8712**	**27.9370**	**33.4769**	**0.0561**		**1.8627**	**1.8627**		**1.7514**	**1.7514**	**0.0000**	**5,335.4696**	**5,335.4696**	**1.3404**		**5,363.6181**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5314	3.2887	7.8091	0.0146	0.4364	0.0786	0.5151	0.1237	0.0723	0.1960		1,363.3393	1,363.3393	8.6000e-003		1,363.5200
Worker	0.7928	0.8810	9.9550	0.0224	1.9243	0.0122	1.9366	0.5104	0.0113	0.5218		1,529.9314	1,529.9314	0.0841		1,531.6965
Total	**1.3242**	**4.1697**	**17.7641**	**0.0370**	**2.3608**	**0.0908**	**2.4516**	**0.6341**	**0.0837**	**0.7178**		**2,893.2707**	**2,893.2707**	**0.0927**		**2,895.2164**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4938	30.8046	33.1368	0.0561		1.6103	1.6103		1.5143	1.5143		5,335.9879	5,335.9879	1.3331		5,363.9827
Total	**3.4938**	**30.8046**	**33.1368**	**0.0561**		**1.6103**	**1.6103**		**1.5143**	**1.5143**		**5,335.9879**	**5,335.9879**	**1.3331**		**5,363.9827**

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5160	2.9605	7.6702	0.0146	0.4364	0.0774	0.5137	0.1237	0.0712	0.1948		1,361.6086	1,361.6086	8.7600e-003		1,361.7925
Worker	0.7535	0.8455	9.4745	0.0224	1.9243	0.0123	1.9366	0.5104	0.0114	0.5218		1,507.4265	1,507.4265	0.0817		1,509.1421
Total	**1.2695**	**3.8059**	**17.1448**	**0.0370**	**2.3607**	**0.0896**	**2.4503**	**0.6341**	**0.0826**	**0.7166**		**2,869.0351**	**2,869.0351**	**0.0905**		**2,870.9346**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4938	24.6437	33.1368	0.0561		1.6103	1.6103		1.5143	1.5143	0.0000	5,335.9878	5,335.9878	1.3331		5,363.9827
Total	**3.4938**	**24.6437**	**33.1368**	**0.0561**		**1.6103**	**1.6103**		**1.5143**	**1.5143**	**0.0000**	**5,335.9878**	**5,335.9878**	**1.3331**		**5,363.9827**

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5160	2.9605	7.6702	0.0146	0.4364	0.0774	0.5137	0.1237	0.0712	0.1948		1,361.6086	1,361.6086	8.7600e-003		1,361.7925
Worker	0.7535	0.8455	9.4745	0.0224	1.9243	0.0123	1.9366	0.5104	0.0114	0.5218		1,507.4265	1,507.4265	0.0817		1,509.1421
Total	**1.2695**	**3.8059**	**17.1448**	**0.0370**	**2.3607**	**0.0896**	**2.4503**	**0.6341**	**0.0826**	**0.7166**		**2,869.0351**	**2,869.0351**	**0.0905**		**2,870.9346**

3.4 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	3.2647	28.3981	32.9798	0.0561		1.4389	1.4389		1.3523	1.3523		5,336.2173	5,336.2173	1.3244		5,364.0297
Total	**3.2647**	**28.3981**	**32.9798**	**0.0561**		**1.4389**	**1.4389**		**1.3523**	**1.3523**		**5,336.2173**	**5,336.2173**	**1.3244**		**5,364.0297**

3.4 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	0.4822	2.6166	7.3861	0.0146	0.4363	0.0743	0.5105	0.1236	0.0683	0.1920		1,358.2193	1,358.2193	8.2300e-003		1,358.3922
Worker	0.7188	0.8158	9.0472	0.0224	1.9243	0.0123	1.9367	0.5104	0.0114	0.5218		1,487.4358	1,487.4358	0.0797		1,489.1092
Total	**1.2010**	**3.4324**	**16.4333**	**0.0370**	**2.3606**	**0.0866**	**2.4472**	**0.6340**	**0.0798**	**0.7138**		**2,845.6551**	**2,845.6551**	**0.0879**		**2,847.5014**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2647	22.7185	32.9798	0.0561		1.4389	1.4389		1.3523	1.3523	0.0000	5,336.2173	5,336.2173	1.3244		5,364.0297
Total	**3.2647**	**22.7185**	**32.9798**	**0.0561**		**1.4389**	**1.4389**		**1.3523**	**1.3523**	**0.0000**	**5,336.2173**	**5,336.2173**	**1.3244**		**5,364.0297**

3.4 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	0.4822	2.6166	7.3861	0.0146	0.4363	0.0743	0.5105	0.1236	0.0683	0.1920		1,358.2193	1,358.2193	8.2300e-003		1,358.3922
Worker	0.7188	0.8158	9.0472	0.0224	1.9243	0.0123	1.9367	0.5104	0.0114	0.5218		1,487.4358	1,487.4358	0.0797		1,489.1092
Total	**1.2010**	**3.4324**	**16.4333**	**0.0370**	**2.3606**	**0.0866**	**2.4472**	**0.6340**	**0.0798**	**0.7138**		**2,845.6551**	**2,845.6551**	**0.0879**		**2,847.5014**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8425	17.1072	20.5363	0.0317		0.9012	0.9012		0.8382	0.8382		3,036.4718	3,036.4718	0.8464		3,054.2461
Paving	0.1191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9616**	**17.1072**	**20.5363**	**0.0317**		**0.9012**	**0.9012**		**0.8382**	**0.8382**		**3,036.4718**	**3,036.4718**	**0.8464**		**3,054.2461**

3.5 Paving - 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	0.0469	0.0532	0.5900	1.4600e-003	0.1255	8.0000e-004	0.1263	0.0333	7.5000e-004	0.0340		97.0067	97.0067	5.2000e-003		97.1158
Total	**0.0469**	**0.0532**	**0.5900**	**1.4600e-003**	**0.1255**	**8.0000e-004**	**0.1263**	**0.0333**	**7.5000e-004**	**0.0340**		**97.0067**	**97.0067**	**5.2000e-003**		**97.1158**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8425	13.6858	20.5363	0.0317		0.9012	0.9012		0.8382	0.8382	0.0000	3,036.4718	3,036.4718	0.8464		3,054.2461
Paving	0.1191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9616**	**13.6858**	**20.5363**	**0.0317**		**0.9012**	**0.9012**		**0.8382**	**0.8382**	**0.0000**	**3,036.4718**	**3,036.4718**	**0.8464**		**3,054.2461**

3.5 Paving - 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	0.0469	0.0532	0.5900	1.4600e-003	0.1255	8.0000e-004	0.1263	0.0333	7.5000e-004	0.0340		97.0067	97.0067	5.2000e-003		97.1158
Total	**0.0469**	**0.0532**	**0.5900**	**1.4600e-003**	**0.1255**	**8.0000e-004**	**0.1263**	**0.0333**	**7.5000e-004**	**0.0340**		**97.0067**	**97.0067**	**5.2000e-003**		**97.1158**

3.6 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	69.2469					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2172	1.6966	2.6171	4.2100e-003		0.0776	0.0776		0.0771	0.0771		401.4770	401.4770	0.0557		402.6458
Total	**69.4641**	**1.6966**	**2.6171**	**4.2100e-003**		**0.0776**	**0.0776**		**0.0771**	**0.0771**		**401.4770**	**401.4770**	**0.0557**		**402.6458**

3.6 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	0.5750	0.6526	7.2378	0.0179	5.5534	9.8500e-003	5.5633	1.3936	9.1400e-003	1.4027		1,189.9487	1,189.9487	0.0638		1,191.2874
Total	**0.5750**	**0.6526**	**7.2378**	**0.0179**	**5.5534**	**9.8500e-003**	**5.5633**	**1.3936**	**9.1400e-003**	**1.4027**		**1,189.9487**	**1,189.9487**	**0.0638**		**1,191.2874**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	69.2469					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2172	1.3573	2.6171	4.2100e-003		0.0776	0.0776		0.0771	0.0771	0.0000	401.4770	401.4770	0.0557		402.6458
Total	**69.4641**	**1.3573**	**2.6171**	**4.2100e-003**		**0.0776**	**0.0776**		**0.0771**	**0.0771**	**0.0000**	**401.4770**	**401.4770**	**0.0557**		**402.6458**

3.6 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	0.5750	0.6526	7.2378	0.0179	5.5534	9.8500e-003	5.5633	1.3936	9.1400e-003	1.4027		1,189.9487	1,189.9487	0.0638		1,191.2874
Total	**0.5750**	**0.6526**	**7.2378**	**0.0179**	**5.5534**	**9.8500e-003**	**5.5633**	**1.3936**	**9.1400e-003**	**1.4027**		**1,189.9487**	**1,189.9487**	**0.0638**		**1,191.2874**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	69.2469					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2063	1.6073	2.6167	4.2100e-003		0.0677	0.0677		0.0671	0.0671		401.4770	401.4770	0.0547		402.6250
Total	**69.4532**	**1.6073**	**2.6167**	**4.2100e-003**		**0.0677**	**0.0677**		**0.0671**	**0.0671**		**401.4770**	**401.4770**	**0.0547**		**402.6250**

3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5556	0.6359	7.0808	0.0181	5.5534	0.0102	5.5636	1.3936	9.4300e-003	1.4030		1,189.9400	1,189.9400	0.0638		1,191.2798
Total	**0.5556**	**0.6359**	**7.0808**	**0.0181**	**5.5534**	**0.0102**	**5.5636**	**1.3936**	**9.4300e-003**	**1.4030**		**1,189.9400**	**1,189.9400**	**0.0638**		**1,191.2798**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	69.2469					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2063	1.2858	2.6167	4.2100e-003		0.0677	0.0677		0.0671	0.0671	0.0000	401.4770	401.4770	0.0547		402.6250
Total	**69.4532**	**1.2858**	**2.6167**	**4.2100e-003**		**0.0677**	**0.0677**		**0.0671**	**0.0671**	**0.0000**	**401.4770**	**401.4770**	**0.0547**		**402.6250**

3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5556	0.6359	7.0808	0.0181	5.5534	0.0102	5.5636	1.3936	9.4300e-003	1.4030		1,189.9400	1,189.9400	0.0638		1,191.2798
Total	**0.5556**	**0.6359**	**7.0808**	**0.0181**	**5.5534**	**0.0102**	**5.5636**	**1.3936**	**9.4300e-003**	**1.4030**		**1,189.9400**	**1,189.9400**	**0.0638**		**1,191.2798**

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	32.7524	53.0190	301.5888	0.6178	39.5034	1.1541	40.6575	10.5427	1.0639	11.6066		45,819.5673	45,819.5673	1.6756		45,854.7545
Unmitigated	32.7524	53.0190	301.5888	0.6178	39.5034	1.1541	40.6575	10.5427	1.0639	11.6066		45,819.5673	45,819.5673	1.6756		45,854.7545

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	9,648.00	3,376.80	321.60	12,134,005	12,134,005
Library	1,639.80	1,396.50	764.70	2,547,548	2,547,548
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	11,287.80	4,773.30	1,086.30	14,681,553	14,681,553

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
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1
Library	12.50	4.20	5.40	52.00	43.00	5.00	44	44	12
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.467876	0.065956	0.172405	0.161468	0.036746	0.005953	0.010744	0.069773	0.001331	0.001228	0.003449	0.000500	0.002571

5.0 Energy Detail

4.4 Fleet Mix

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	0.1585	1.4407	1.2102	8.6400e-003		0.1095	0.1095		0.1095	0.1095		1,728.8316	1,728.8316	0.0331	0.0317	1,739.3530
NaturalGas Unmitigated	0.1585	1.4407	1.2102	8.6400e-003		0.1095	0.1095		0.1095	0.1095		1,728.8316	1,728.8316	0.0331	0.0317	1,739.3530

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					
Junior College (2Yr)	11958.9	0.1290	1.1724	0.9849	7.0300e-003		0.0891	0.0891		0.0891	0.0891		1,406.9299	1,406.9299	0.0270	0.0258	1,415.4922
Library	2736.16	0.0295	0.2683	0.2253	1.6100e-003		0.0204	0.0204		0.0204	0.0204		321.9017	321.9017	6.1700e-003	5.9000e-003	323.8607
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
Total		**0.1585**	**1.4407**	**1.2102**	**8.6400e-003**		**0.1095**	**0.1095**		**0.1095**	**0.1095**		**1,728.8316**	**1,728.8316**	**0.0331**	**0.0317**	**1,739.3530**

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					
Library	2.73616	0.0295	0.2683	0.2253	1.6100e-003		0.0204	0.0204		0.0204	0.0204		321.9017	321.9017	6.1700e-003	5.9000e-003	323.8607
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
Junior College (2Yr)	11.9589	0.1290	1.1724	0.9849	7.0300e-003		0.0891	0.0891		0.0891	0.0891		1,406.9299	1,406.9299	0.0270	0.0258	1,415.4922
Total		**0.1585**	**1.4407**	**1.2102**	**8.6400e-003**		**0.1095**	**0.1095**		**0.1095**	**0.1095**		**1,728.8316**	**1,728.8316**	**0.0331**	**0.0317**	**1,739.3530**

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	15.2768	7.4500e-003	0.8223	6.0000e-005		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		1.7672	1.7672	4.6000e-003		1.8638
Unmitigated	15.2768	7.4500e-003	0.8223	6.0000e-005		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		1.7672	1.7672	4.6000e-003		1.8638

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.4782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.7229					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0757	7.4500e-003	0.8223	6.0000e-005		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		1.7672	1.7672	4.6000e-003		1.8638
Total	**15.2768**	**7.4500e-003**	**0.8223**	**6.0000e-005**		**2.9200e-003**	**2.9200e-003**		**2.9200e-003**	**2.9200e-003**		**1.7672**	**1.7672**	**4.6000e-003**		**1.8638**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.4782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.7229					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0757	7.4500e-003	0.8223	6.0000e-005		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		1.7672	1.7672	4.6000e-003		1.8638
Total	**15.2768**	**7.4500e-003**	**0.8223**	**6.0000e-005**		**2.9200e-003**	**2.9200e-003**		**2.9200e-003**	**2.9200e-003**		**1.7672**	**1.7672**	**4.6000e-003**		**1.8638**

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 Vegetation

Mall Repurposing Buildout

Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	8,040.00	Student	11.45	300,000.00	0
Library	30.00	1000sqft	0.69	30,000.00	0
Other Asphalt Surfaces	5.00	Acre	5.00	217,800.00	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)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Includes remodeling of the existing mall, construction of 300,000 sf of College space (incl. conference center and retail), 30,000 SF Library. Existing on-site parking will remain.

Construction Phase - Assumes a 8 year buildout for AQ analysis purposes (buildout at 2025). Actual development will likely occur gradually with full buildout closer to 2030.

Off-road Equipment - .

Off-road Equipment - Construction equipment bsed on project parameters.

Off-road Equipment - Demolition phase includes demolition of exisiting mall.

Off-road Equipment - Grading equipment based on project development parameters.

Off-road Equipment - Paving equipment based on project parameters.

Trips and VMT - Hauling trips based on demo estimate from Demo Unlimited Inc. plus the additional 33 trips for 500 tons of concrete debris.

On-road Fugitive Dust - Project located in an urban area, all roads are paved.

Demolition - Demolition assumes the removal of materials during renovation. Assumes possibitly of 1/4 of total building square footage would be removed.

Grading - Assumes 1/3 of Proposed Project material import in the event portions of the site need to be regraded to meet current building code standards.

Architectural Coating - Low VOC coatings per SCAQMD Rule 1113.

Vehicle Trips - Trip rate was adjusted to reflect results of Traffic Report. Library = 1,640 daily trips: [30 (1,000s) SF x 54.66]

Road Dust - All roads are paved.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes standard dust control measures. Oxidation catalysts on equipment (20% reduction).

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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	3.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstructionPhase	NumDays	300.00	1,600.00
tblConstructionPhase	NumDays	20.00	50.00
tblConstructionPhase	NumDays	30.00	60.00
tblConstructionPhase	NumDays	20.00	110.00
tblGrading	AcresOfGrading	90.00	10.00
tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	LandUseSquareFeet	350,963.99	300,000.00
tblLandUse	LotAcreage	8.06	11.45
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	3.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
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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
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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
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tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2025
tblRoadDust	RoadPercentPave	50	100
tblTripsAndVMT	WorkerTripNumber	33.00	15.00
tblTripsAndVMT	WorkerTripNumber	33.00	20.00
tblTripsAndVMT	WorkerTripNumber	28.00	15.00
tblVehicleTrips	WD_TR	56.24	54.66

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					
2017	7.7687	64.5911	59.9359	0.0915	5.2586	3.3834	8.6420	2.6512	3.1654	5.7653	0.0000	8,603.1621	8,603.1621	1.5645	0.0000	8,636.0162
2018	6.7425	53.3073	57.1432	0.0915	2.3612	2.8396	5.2008	0.6343	2.6707	3.3050	0.0000	8,450.5679	8,450.5679	1.4912	0.0000	8,481.8823
2019	6.0918	48.3899	55.3090	0.0914	2.3611	2.5106	4.8716	0.6342	2.3602	2.9944	0.0000	8,303.6060	8,303.6060	1.4679	0.0000	8,334.4316
2020	5.5504	44.0196	53.5322	0.0914	2.3608	2.2448	4.6056	0.6341	2.1091	2.7432	0.0000	8,125.2201	8,125.2201	1.4488	0.0000	8,155.6450
2021	5.0546	39.3529	52.3402	0.0914	2.3608	1.9544	4.3152	0.6341	1.8359	2.4700	0.0000	8,101.7099	8,101.7099	1.4336	0.0000	8,131.8145
2022	4.6326	34.8502	51.4078	0.0914	2.3607	1.7008	4.0615	0.6341	1.5977	2.2318	0.0000	8,079.5840	8,079.5840	1.4241	0.0000	8,109.4890
2023	69.9001	32.0395	50.4917	0.0913	5.5534	1.5261	5.6409	1.3936	1.4326	2.0666	0.0000	8,057.7811	8,057.7811	1.4128	0.0000	8,087.4502
2024	69.8769	2.3080	8.4146	0.0210	5.5534	0.0778	5.6312	1.3936	0.0765	1.4701	0.0000	1,504.4929	1,504.4929	0.1185	0.0000	1,506.9807
Total	**175.6175**	**318.8586**	**388.5745**	**0.6608**	**28.1700**	**16.2374**	**42.9688**	**8.6092**	**15.2480**	**23.0464**	**0.0000**	**59,226.1239**	**59,226.1239**	**10.3612**	**0.0000**	**59,443.7096**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	7.7687	52.5925	59.9359	0.0915	2.3755	3.3834	5.7588	1.1221	3.1654	4.2362	0.0000	8,603.1621	8,603.1621	1.5645	0.0000	8,636.0162
2018	6.7425	43.9615	57.1432	0.0915	2.3612	2.8396	5.2008	0.6343	2.6707	3.3050	0.0000	8,450.5679	8,450.5679	1.4912	0.0000	8,481.8823
2019	6.0918	39.9164	55.3090	0.0914	2.3611	2.5106	4.8716	0.6342	2.3602	2.9944	0.0000	8,303.6060	8,303.6060	1.4679	0.0000	8,334.4316
2020	5.5504	36.2587	53.5322	0.0914	2.3608	2.2448	4.6056	0.6341	2.1091	2.7432	0.0000	8,125.2201	8,125.2201	1.4488	0.0000	8,155.6450
2021	5.0546	32.3687	52.3402	0.0914	2.3608	1.9544	4.3152	0.6341	1.8359	2.4700	0.0000	8,101.7099	8,101.7099	1.4336	0.0000	8,131.8145
2022	4.6326	28.6893	51.4078	0.0914	2.3607	1.7008	4.0615	0.6341	1.5977	2.2318	0.0000	8,079.5840	8,079.5840	1.4241	0.0000	8,109.4890
2023	69.9001	26.3599	50.4917	0.0913	5.5534	1.5261	5.6409	1.3936	1.4326	2.0666	0.0000	8,057.7811	8,057.7811	1.4128	0.0000	8,087.4502
2024	69.8769	1.9866	8.4146	0.0210	5.5534	0.0778	5.6312	1.3936	0.0765	1.4701	0.0000	1,504.4929	1,504.4929	0.1185	0.0000	1,506.9807
Total	**175.6175**	**262.1336**	**388.5745**	**0.6608**	**25.2868**	**16.2374**	**40.0857**	**7.0801**	**15.2480**	**21.5173**	**0.0000**	**59,226.1238**	**59,226.1238**	**10.3612**	**0.0000**	**59,443.7095**

	ROG	NOx	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**	**17.79**	**0.00**	**0.00**	**10.23**	**0.00**	**6.71**	**17.76**	**0.00**	**6.64**	**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	15.2768	7.4500e-003	0.8223	6.0000e-005		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		1.7672	1.7672	4.6000e-003		1.8638
Energy	0.1585	1.4407	1.2102	8.6400e-003		0.1095	0.1095		0.1095	0.1095		1,728.8316	1,728.8316	0.0331	0.0317	1,739.3530
Mobile	27.0128	56.7704	319.1051	0.5853	39.5034	1.1609	40.6643	10.5427	1.0702	11.6129		43,595.0751	43,595.0751	1.6828		43,630.4143
Total	**42.4481**	**58.2186**	**321.1376**	**0.5940**	**39.5034**	**1.2733**	**40.7767**	**10.5427**	**1.1826**	**11.7253**		**45,325.6740**	**45,325.6740**	**1.7206**	**0.0317**	**45,371.6310**

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	15.2768	7.4500e-003	0.8223	6.0000e-005		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		1.7672	1.7672	4.6000e-003		1.8638
Energy	0.1585	1.4407	1.2102	8.6400e-003		0.1095	0.1095		0.1095	0.1095		1,728.8316	1,728.8316	0.0331	0.0317	1,739.3530
Mobile	27.0128	56.7704	319.1051	0.5853	39.5034	1.1609	40.6643	10.5427	1.0702	11.6129		43,595.0751	43,595.0751	1.6828		43,630.4143
Total	**42.4481**	**58.2186**	**321.1376**	**0.5940**	**39.5034**	**1.2733**	**40.7767**	**10.5427**	**1.1826**	**11.7253**		**45,325.6740**	**45,325.6740**	**1.7206**	**0.0317**	**45,371.6310**

	ROG	NOx	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	1/1/2017	3/10/2017	5	50	
2	Grading	Grading	3/11/2017	6/2/2017	5	60	
3	Building Construction	Building Construction	6/3/2017	7/21/2023	5	1600	
4	Paving	Paving	7/22/2023	12/22/2023	5	110	
5	Architectural Coating	Architectural Coating	12/23/2023	5/24/2024	5	110	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 821,700; Non-Residential Outdoor: 273,900 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Cranes	1	6.00	226	0.29
Demolition	Excavators	2	6.00	162	0.38
Demolition	Graders	1	6.00	174	0.41
Demolition	Rubber Tired Dozers	2	6.00	255	0.40

Demolition	Rubber Tired Loaders	2	6.00	199	0.36
Demolition	Signal Boards	1	6.00	6	0.82
Demolition	Sweepers/Scrubbers	1	6.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	6.00	174	0.41
Grading	Other Construction Equipment	1	6.00	171	0.42
Grading	Plate Compactors	1	6.00	8	0.43
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Scrapers	1	6.00	361	0.48
Grading	Signal Boards	1	6.00	6	0.82
Grading	Sweepers/Scrubbers	1	6.00	64	0.46
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Trenchers	2	6.00	80	0.50
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	1	6.00	84	0.74
Building Construction	Other Construction Equipment	2	6.00	171	0.42
Building Construction	Other Material Handling Equipment	2	6.00	167	0.40
Building Construction	Pavers	1	6.00	125	0.42
Building Construction	Rubber Tired Loaders	1	6.00	199	0.36
Building Construction	Signal Boards	1	6.00	6	0.82
Building Construction	Sweepers/Scrubbers	1	6.00	64	0.46
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	2	6.00	46	0.45

Paving	Concrete/Industrial Saws	1	6.00	81	0.73
Paving	Graders	1	6.00	174	0.41
Paving	Other Construction Equipment	2	6.00	171	0.42
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	6.00	130	0.36
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Rollers	2	6.00	80	0.38
Paving	Signal Boards	1	6.00	6	0.82
Paving	Sweepers/Scrubbers	1	6.00	64	0.46
Architectural Coating	Aerial Lifts	1	6.00	62	0.31
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	13	15.00	0.00	375.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	13	20.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	18	230.00	90.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	11	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	46.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	46.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	46.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	46.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Oxidation Catalyst for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.6876	0.0000	1.6876	0.2556	0.0000	0.2556			0.0000			0.0000
Off-Road	5.4701	58.2022	36.6142	0.0511		2.9725	2.9725		2.7540	2.7540		5,181.7649	5,181.7649	1.4831		5,212.9101
Total	**5.4701**	**58.2022**	**36.6142**	**0.0511**	**1.6876**	**2.9725**	**4.6602**	**0.2556**	**2.7540**	**3.0095**		**5,181.7649**	**5,181.7649**	**1.4831**		**5,212.9101**

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1352	1.6147	1.9762	5.2400e-003	0.1313	0.0364	0.1678	0.0360	0.0335	0.0695		519.3420	519.3420	2.9000e-003		519.4029
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0530	0.0846	0.7169	1.3500e-003	0.1255	8.0000e-004	0.1263	0.0333	7.4000e-004	0.0340		105.7791	105.7791	6.7100e-003		105.9201
Total	**0.1882**	**1.6993**	**2.6931**	**6.5900e-003**	**0.2568**	**0.0372**	**0.2941**	**0.0693**	**0.0343**	**0.1036**		**625.1212**	**625.1212**	**9.6100e-003**		**625.3230**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.6582	0.0000	0.6582	0.0997	0.0000	0.0997			0.0000			0.0000
Off-Road	5.4701	46.5617	36.6142	0.0511		2.9725	2.9725		2.7540	2.7540	0.0000	5,181.7649	5,181.7649	1.4831		5,212.9101
Total	**5.4701**	**46.5617**	**36.6142**	**0.0511**	**0.6582**	**2.9725**	**3.6307**	**0.0997**	**2.7540**	**2.8536**	**0.0000**	**5,181.7649**	**5,181.7649**	**1.4831**		**5,212.9101**

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1352	1.6147	1.9762	5.2400e-003	0.1313	0.0364	0.1678	0.0360	0.0335	0.0695		519.3420	519.3420	2.9000e-003		519.4029
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0530	0.0846	0.7169	1.3500e-003	0.1255	8.0000e-004	0.1263	0.0333	7.4000e-004	0.0340		105.7791	105.7791	6.7100e-003		105.9201
Total	**0.1882**	**1.6993**	**2.6931**	**6.5900e-003**	**0.2568**	**0.0372**	**0.2941**	**0.0693**	**0.0343**	**0.1036**		**625.1212**	**625.1212**	**9.6100e-003**		**625.3230**

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.7265	0.0000	4.7265	2.5068	0.0000	2.5068			0.0000			0.0000
Off-Road	5.7119	59.9930	38.6036	0.0500		3.2811	3.2811		3.0200	3.0200		5,092.1083	5,092.1083	1.5475		5,124.6054
Total	**5.7119**	**59.9930**	**38.6036**	**0.0500**	**4.7265**	**3.2811**	**8.0076**	**2.5068**	**3.0200**	**5.5268**		**5,092.1083**	**5,092.1083**	**1.5475**		**5,124.6054**

3.3 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3755	4.4852	5.4894	0.0146	0.3648	0.1012	0.4660	0.1000	0.0931	0.1932		1,442.6167	1,442.6167	8.0500e-003		1,442.7858
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.1128	0.9559	1.8100e-003	0.1673	1.0600e-003	0.1684	0.0444	9.8000e-004	0.0454		141.0388	141.0388	8.9500e-003		141.2268
Total	**0.4462**	**4.5980**	**6.4453**	**0.0164**	**0.5321**	**0.1023**	**0.6344**	**0.1444**	**0.0941**	**0.2385**		**1,583.6556**	**1,583.6556**	**0.0170**		**1,584.0126**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.8433	0.0000	1.8433	0.9776	0.0000	0.9776			0.0000			0.0000
Off-Road	5.7119	47.9944	38.6036	0.0500		3.2811	3.2811		3.0200	3.0200	0.0000	5,092.1083	5,092.1083	1.5475		5,124.6054
Total	**5.7119**	**47.9944**	**38.6036**	**0.0500**	**1.8433**	**3.2811**	**5.1244**	**0.9776**	**3.0200**	**3.9977**	**0.0000**	**5,092.1083**	**5,092.1083**	**1.5475**		**5,124.6054**

3.3 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3755	4.4852	5.4894	0.0146	0.3648	0.1012	0.4660	0.1000	0.0931	0.1932		1,442.6167	1,442.6167	8.0500e-003		1,442.7858
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.1128	0.9559	1.8100e-003	0.1673	1.0600e-003	0.1684	0.0444	9.8000e-004	0.0454		141.0388	141.0388	8.9500e-003		141.2268
Total	**0.4462**	**4.5980**	**6.4453**	**0.0164**	**0.5321**	**0.1023**	**0.6344**	**0.1444**	**0.0941**	**0.2385**		**1,583.6556**	**1,583.6556**	**0.0170**		**1,584.0126**

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.0419	54.1797	35.7363	0.0561		3.2393	3.2393		3.0466	3.0466		5,547.5869	5,547.5869	1.4053		5,577.0987
Total	**6.0419**	**54.1797**	**35.7363**	**0.0561**		**3.2393**	**3.2393**		**3.0466**	**3.0466**		**5,547.5869**	**5,547.5869**	**1.4053**		**5,577.0987**

3.4 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9141	5.9350	13.2067	0.0146	0.4371	0.1169	0.5540	0.1240	0.1075	0.2315		1,433.6285	1,433.6285	9.6900e-003		1,433.8320
Worker	0.8128	1.2970	10.9929	0.0208	1.9243	0.0122	1.9366	0.5104	0.0113	0.5217		1,621.9467	1,621.9467	0.1029		1,624.1083
Total	**1.7268**	**7.2320**	**24.1995**	**0.0354**	**2.3615**	**0.1291**	**2.4906**	**0.6344**	**0.1188**	**0.7532**		**3,055.5752**	**3,055.5752**	**0.1126**		**3,057.9403**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.0419	43.3437	35.7363	0.0561		3.2393	3.2393		3.0466	3.0466	0.0000	5,547.5869	5,547.5869	1.4053		5,577.0987
Total	**6.0419**	**43.3437**	**35.7363**	**0.0561**		**3.2393**	**3.2393**		**3.0466**	**3.0466**	**0.0000**	**5,547.5869**	**5,547.5869**	**1.4053**		**5,577.0987**

3.4 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9141	5.9350	13.2067	0.0146	0.4371	0.1169	0.5540	0.1240	0.1075	0.2315		1,433.6285	1,433.6285	9.6900e-003		1,433.8320
Worker	0.8128	1.2970	10.9929	0.0208	1.9243	0.0122	1.9366	0.5104	0.0113	0.5217		1,621.9467	1,621.9467	0.1029		1,624.1083
Total	**1.7268**	**7.2320**	**24.1995**	**0.0354**	**2.3615**	**0.1291**	**2.4906**	**0.6344**	**0.1188**	**0.7532**		**3,055.5752**	**3,055.5752**	**0.1126**		**3,057.9403**

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1975	46.7291	34.7172	0.0561		2.7180	2.7180		2.5588	2.5588		5,483.4680	5,483.4680	1.3856		5,512.5659
Total	**5.1975**	**46.7291**	**34.7172**	**0.0561**		**2.7180**	**2.7180**		**2.5588**	**2.5588**		**5,483.4680**	**5,483.4680**	**1.3856**		**5,512.5659**

3.4 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.8134	5.3906	12.4541	0.0146	0.4369	0.1095	0.5465	0.1239	0.1007	0.2246		1,407.8701	1,407.8701	9.5200e-003		1,408.0700
Worker	0.7317	1.1877	9.9719	0.0208	1.9243	0.0120	1.9364	0.5104	0.0111	0.5215		1,559.2297	1,559.2297	0.0960		1,561.2464
Total	**1.5451**	**6.5782**	**22.4260**	**0.0354**	**2.3612**	**0.1216**	**2.4828**	**0.6343**	**0.1119**	**0.7462**		**2,967.0998**	**2,967.0998**	**0.1056**		**2,969.3165**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.1975	37.3833	34.7172	0.0561		2.7180	2.7180		2.5588	2.5588	0.0000	5,483.4680	5,483.4680	1.3856		5,512.5659
Total	**5.1975**	**37.3833**	**34.7172**	**0.0561**		**2.7180**	**2.7180**		**2.5588**	**2.5588**	**0.0000**	**5,483.4680**	**5,483.4680**	**1.3856**		**5,512.5659**

3.4 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.8134	5.3906	12.4541	0.0146	0.4369	0.1095	0.5465	0.1239	0.1007	0.2246		1,407.8701	1,407.8701	9.5200e-003		1,408.0700
Worker	0.7317	1.1877	9.9719	0.0208	1.9243	0.0120	1.9364	0.5104	0.0111	0.5215		1,559.2297	1,559.2297	0.0960		1,561.2464
Total	**1.5451**	**6.5782**	**22.4260**	**0.0354**	**2.3612**	**0.1216**	**2.4828**	**0.6343**	**0.1119**	**0.7462**		**2,967.0998**	**2,967.0998**	**0.1056**		**2,969.3165**

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6769	42.3678	34.2182	0.0561		2.3969	2.3969		2.2555	2.2555		5,420.3343	5,420.3343	1.3678		5,449.0575
Total	**4.6769**	**42.3678**	**34.2182**	**0.0561**		**2.3969**	**2.3969**		**2.2555**	**2.2555**		**5,420.3343**	**5,420.3343**	**1.3678**		**5,449.0575**

3.4 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.7438	4.9259	11.8878	0.0146	0.4367	0.1017	0.5384	0.1238	0.0935	0.2173		1,382.6840	1,382.6840	9.3500e-003		1,382.8804
Worker	0.6711	1.0962	9.2030	0.0207	1.9243	0.0120	1.9364	0.5104	0.0112	0.5216		1,500.5876	1,500.5876	0.0908		1,502.4938
Total	**1.4148**	**6.0222**	**21.0908**	**0.0353**	**2.3611**	**0.1137**	**2.4748**	**0.6342**	**0.1047**	**0.7389**		**2,883.2717**	**2,883.2717**	**0.1001**		**2,885.3741**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.6769	33.8942	34.2182	0.0561		2.3969	2.3969		2.2555	2.2555	0.0000	5,420.3343	5,420.3343	1.3678		5,449.0575
Total	**4.6769**	**33.8942**	**34.2182**	**0.0561**		**2.3969**	**2.3969**		**2.2555**	**2.2555**	**0.0000**	**5,420.3343**	**5,420.3343**	**1.3678**		**5,449.0575**

3.4 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.7438	4.9259	11.8878	0.0146	0.4367	0.1017	0.5384	0.1238	0.0935	0.2173		1,382.6840	1,382.6840	9.3500e-003		1,382.8804
Worker	0.6711	1.0962	9.2030	0.0207	1.9243	0.0120	1.9364	0.5104	0.0112	0.5216		1,500.5876	1,500.5876	0.0908		1,502.4938
Total	**1.4148**	**6.0222**	**21.0908**	**0.0353**	**2.3611**	**0.1137**	**2.4748**	**0.6342**	**0.1047**	**0.7389**		**2,883.2717**	**2,883.2717**	**0.1001**		**2,885.3741**

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2890	38.8043	33.8459	0.0561		2.1414	2.1414		2.0139	2.0139		5,335.8439	5,335.8439	1.3533		5,364.2631
Total	**4.2890**	**38.8043**	**33.8459**	**0.0561**		**2.1414**	**2.1414**		**2.0139**	**2.0139**		**5,335.8439**	**5,335.8439**	**1.3533**		**5,364.2631**

3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.6352	4.1892	11.0959	0.0145	0.4365	0.0914	0.5278	0.1237	0.0840	0.2078		1,349.8117	1,349.8117	9.0100e-003		1,350.0009
Worker	0.6263	1.0262	8.5904	0.0207	1.9243	0.0121	1.9364	0.5104	0.0112	0.5216		1,439.5646	1,439.5646	0.0865		1,441.3810
Total	**1.2614**	**5.2153**	**19.6863**	**0.0353**	**2.3608**	**0.1034**	**2.4643**	**0.6341**	**0.0952**	**0.7294**		**2,789.3762**	**2,789.3762**	**0.0955**		**2,791.3819**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2890	31.0434	33.8459	0.0561		2.1414	2.1414		2.0139	2.0139	0.0000	5,335.8439	5,335.8439	1.3533		5,364.2631
Total	**4.2890**	**31.0434**	**33.8459**	**0.0561**		**2.1414**	**2.1414**		**2.0139**	**2.0139**	**0.0000**	**5,335.8439**	**5,335.8439**	**1.3533**		**5,364.2631**

3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.6352	4.1892	11.0959	0.0145	0.4365	0.0914	0.5278	0.1237	0.0840	0.2078		1,349.8117	1,349.8117	9.0100e-003		1,350.0009
Worker	0.6263	1.0262	8.5904	0.0207	1.9243	0.0121	1.9364	0.5104	0.0112	0.5216		1,439.5646	1,439.5646	0.0865		1,441.3810
Total	**1.2614**	**5.2153**	**19.6863**	**0.0353**	**2.3608**	**0.1034**	**2.4643**	**0.6341**	**0.0952**	**0.7294**		**2,789.3762**	**2,789.3762**	**0.0955**		**2,791.3819**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8712	34.9212	33.4769	0.0561		1.8627	1.8627		1.7514	1.7514		5,335.4696	5,335.4696	1.3404		5,363.6181
Total	**3.8712**	**34.9212**	**33.4769**	**0.0561**		**1.8627**	**1.8627**		**1.7514**	**1.7514**		**5,335.4696**	**5,335.4696**	**1.3404**		**5,363.6181**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5891	3.4590	10.6978	0.0145	0.4364	0.0795	0.5159	0.1237	0.0732	0.1968		1,347.9256	1,347.9256	9.1000e-003		1,348.1166
Worker	0.5942	0.9727	8.1656	0.0208	1.9243	0.0122	1.9366	0.5104	0.0113	0.5218		1,418.3147	1,418.3147	0.0841		1,420.0798
Total	**1.1834**	**4.4317**	**18.8634**	**0.0353**	**2.3608**	**0.0917**	**2.4525**	**0.6341**	**0.0845**	**0.7186**		**2,766.2403**	**2,766.2403**	**0.0932**		**2,768.1964**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8712	27.9370	33.4769	0.0561		1.8627	1.8627		1.7514	1.7514	0.0000	5,335.4696	5,335.4696	1.3404		5,363.6181
Total	**3.8712**	**27.9370**	**33.4769**	**0.0561**		**1.8627**	**1.8627**		**1.7514**	**1.7514**	**0.0000**	**5,335.4696**	**5,335.4696**	**1.3404**		**5,363.6181**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5891	3.4590	10.6978	0.0145	0.4364	0.0795	0.5159	0.1237	0.0732	0.1968		1,347.9256	1,347.9256	9.1000e-003		1,348.1166
Worker	0.5942	0.9727	8.1656	0.0208	1.9243	0.0122	1.9366	0.5104	0.0113	0.5218		1,418.3147	1,418.3147	0.0841		1,420.0798
Total	**1.1834**	**4.4317**	**18.8634**	**0.0353**	**2.3608**	**0.0917**	**2.4525**	**0.6341**	**0.0845**	**0.7186**		**2,766.2403**	**2,766.2403**	**0.0932**		**2,768.1964**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4938	30.8046	33.1368	0.0561		1.6103	1.6103		1.5143	1.5143		5,335.9879	5,335.9879	1.3331		5,363.9827
Total	**3.4938**	**30.8046**	**33.1368**	**0.0561**		**1.6103**	**1.6103**		**1.5143**	**1.5143**		**5,335.9879**	**5,335.9879**	**1.3331**		**5,363.9827**

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5708	3.1128	10.5021	0.0145	0.4364	0.0782	0.5146	0.1237	0.0720	0.1956		1,346.2035	1,346.2035	9.2700e-003		1,346.3981
Worker	0.5680	0.9329	7.7689	0.0208	1.9243	0.0123	1.9366	0.5104	0.0114	0.5218		1,397.3926	1,397.3926	0.0817		1,399.1082
Total	**1.1388**	**4.0457**	**18.2710**	**0.0352**	**2.3607**	**0.0905**	**2.4512**	**0.6341**	**0.0833**	**0.7174**		**2,743.5962**	**2,743.5962**	**0.0910**		**2,745.5063**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4938	24.6437	33.1368	0.0561		1.6103	1.6103		1.5143	1.5143	0.0000	5,335.9878	5,335.9878	1.3331		5,363.9827
Total	**3.4938**	**24.6437**	**33.1368**	**0.0561**		**1.6103**	**1.6103**		**1.5143**	**1.5143**	**0.0000**	**5,335.9878**	**5,335.9878**	**1.3331**		**5,363.9827**

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5708	3.1128	10.5021	0.0145	0.4364	0.0782	0.5146	0.1237	0.0720	0.1956		1,346.2035	1,346.2035	9.2700e-003		1,346.3981
Worker	0.5680	0.9329	7.7689	0.0208	1.9243	0.0123	1.9366	0.5104	0.0114	0.5218		1,397.3926	1,397.3926	0.0817		1,399.1082
Total	**1.1388**	**4.0457**	**18.2710**	**0.0352**	**2.3607**	**0.0905**	**2.4512**	**0.6341**	**0.0833**	**0.7174**		**2,743.5962**	**2,743.5962**	**0.0910**		**2,745.5063**

3.4 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	3.2647	28.3981	32.9798	0.0561		1.4389	1.4389		1.3523	1.3523		5,336.2173	5,336.2173	1.3244		5,364.0297
Total	**3.2647**	**28.3981**	**32.9798**	**0.0561**		**1.4389**	**1.4389**		**1.3523**	**1.3523**		**5,336.2173**	**5,336.2173**	**1.3244**		**5,364.0297**

3.4 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	0.5323	2.7418	10.0938	0.0144	0.4363	0.0749	0.5112	0.1236	0.0689	0.1925		1,342.7816	1,342.7816	8.7300e-003		1,342.9649
Worker	0.5450	0.8996	7.4181	0.0208	1.9243	0.0123	1.9367	0.5104	0.0114	0.5218		1,378.7822	1,378.7822	0.0797		1,380.4556
Total	**1.0773**	**3.6414**	**17.5119**	**0.0352**	**2.3606**	**0.0872**	**2.4478**	**0.6340**	**0.0803**	**0.7144**		**2,721.5638**	**2,721.5638**	**0.0884**		**2,723.4205**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2647	22.7185	32.9798	0.0561		1.4389	1.4389		1.3523	1.3523	0.0000	5,336.2173	5,336.2173	1.3244		5,364.0297
Total	**3.2647**	**22.7185**	**32.9798**	**0.0561**		**1.4389**	**1.4389**		**1.3523**	**1.3523**	**0.0000**	**5,336.2173**	**5,336.2173**	**1.3244**		**5,364.0297**

3.4 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	0.5323	2.7418	10.0938	0.0144	0.4363	0.0749	0.5112	0.1236	0.0689	0.1925		1,342.7816	1,342.7816	8.7300e-003		1,342.9649
Worker	0.5450	0.8996	7.4181	0.0208	1.9243	0.0123	1.9367	0.5104	0.0114	0.5218		1,378.7822	1,378.7822	0.0797		1,380.4556
Total	**1.0773**	**3.6414**	**17.5119**	**0.0352**	**2.3606**	**0.0872**	**2.4478**	**0.6340**	**0.0803**	**0.7144**		**2,721.5638**	**2,721.5638**	**0.0884**		**2,723.4205**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8425	17.1072	20.5363	0.0317		0.9012	0.9012		0.8382	0.8382		3,036.4718	3,036.4718	0.8464		3,054.2461
Paving	0.1191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9616**	**17.1072**	**20.5363**	**0.0317**		**0.9012**	**0.9012**		**0.8382**	**0.8382**		**3,036.4718**	**3,036.4718**	**0.8464**		**3,054.2461**

3.5 Paving - 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	0.0355	0.0587	0.4838	1.3500e-003	0.1255	8.0000e-004	0.1263	0.0333	7.5000e-004	0.0340		89.9206	89.9206	5.2000e-003		90.0297
Total	**0.0355**	**0.0587**	**0.4838**	**1.3500e-003**	**0.1255**	**8.0000e-004**	**0.1263**	**0.0333**	**7.5000e-004**	**0.0340**		**89.9206**	**89.9206**	**5.2000e-003**		**90.0297**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8425	13.6858	20.5363	0.0317		0.9012	0.9012		0.8382	0.8382	0.0000	3,036.4718	3,036.4718	0.8464		3,054.2461
Paving	0.1191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9616**	**13.6858**	**20.5363**	**0.0317**		**0.9012**	**0.9012**		**0.8382**	**0.8382**	**0.0000**	**3,036.4718**	**3,036.4718**	**0.8464**		**3,054.2461**

3.5 Paving - 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	0.0355	0.0587	0.4838	1.3500e-003	0.1255	8.0000e-004	0.1263	0.0333	7.5000e-004	0.0340		89.9206	89.9206	5.2000e-003		90.0297
Total	**0.0355**	**0.0587**	**0.4838**	**1.3500e-003**	**0.1255**	**8.0000e-004**	**0.1263**	**0.0333**	**7.5000e-004**	**0.0340**		**89.9206**	**89.9206**	**5.2000e-003**		**90.0297**

3.6 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	69.2469					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2172	1.6966	2.6171	4.2100e-003		0.0776	0.0776		0.0771	0.0771		401.4770	401.4770	0.0557		402.6458
Total	**69.4641**	**1.6966**	**2.6171**	**4.2100e-003**		**0.0776**	**0.0776**		**0.0771**	**0.0771**		**401.4770**	**401.4770**	**0.0557**		**402.6458**

3.6 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	0.4360	0.7197	5.9345	0.0166	5.5534	9.8500e-003	5.5633	1.3936	9.1400e-003	1.4027		1,103.0258	1,103.0258	0.0638		1,104.3645
Total	**0.4360**	**0.7197**	**5.9345**	**0.0166**	**5.5534**	**9.8500e-003**	**5.5633**	**1.3936**	**9.1400e-003**	**1.4027**		**1,103.0258**	**1,103.0258**	**0.0638**		**1,104.3645**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	69.2469					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2172	1.3573	2.6171	4.2100e-003		0.0776	0.0776		0.0771	0.0771	0.0000	401.4770	401.4770	0.0557		402.6458
Total	**69.4641**	**1.3573**	**2.6171**	**4.2100e-003**		**0.0776**	**0.0776**		**0.0771**	**0.0771**	**0.0000**	**401.4770**	**401.4770**	**0.0557**		**402.6458**

3.6 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	0.4360	0.7197	5.9345	0.0166	5.5534	9.8500e-003	5.5633	1.3936	9.1400e-003	1.4027		1,103.0258	1,103.0258	0.0638		1,104.3645
Total	**0.4360**	**0.7197**	**5.9345**	**0.0166**	**5.5534**	**9.8500e-003**	**5.5633**	**1.3936**	**9.1400e-003**	**1.4027**		**1,103.0258**	**1,103.0258**	**0.0638**		**1,104.3645**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	69.2469					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2063	1.6073	2.6167	4.2100e-003		0.0677	0.0677		0.0671	0.0671		401.4770	401.4770	0.0547		402.6250
Total	**69.4532**	**1.6073**	**2.6167**	**4.2100e-003**		**0.0677**	**0.0677**		**0.0671**	**0.0671**		**401.4770**	**401.4770**	**0.0547**		**402.6250**

3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4237	0.7008	5.7979	0.0168	5.5534	0.0102	5.5636	1.3936	9.4300e-003	1.4030		1,103.0159	1,103.0159	0.0638		1,104.3557
Total	**0.4237**	**0.7008**	**5.7979**	**0.0168**	**5.5534**	**0.0102**	**5.5636**	**1.3936**	**9.4300e-003**	**1.4030**		**1,103.0159**	**1,103.0159**	**0.0638**		**1,104.3557**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	69.2469					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2063	1.2858	2.6167	4.2100e-003		0.0677	0.0677		0.0671	0.0671	0.0000	401.4770	401.4770	0.0547		402.6250
Total	**69.4532**	**1.2858**	**2.6167**	**4.2100e-003**		**0.0677**	**0.0677**		**0.0671**	**0.0671**	**0.0000**	**401.4770**	**401.4770**	**0.0547**		**402.6250**

3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4237	0.7008	5.7979	0.0168	5.5534	0.0102	5.5636	1.3936	9.4300e-003	1.4030		1,103.0159	1,103.0159	0.0638		1,104.3557
Total	**0.4237**	**0.7008**	**5.7979**	**0.0168**	**5.5534**	**0.0102**	**5.5636**	**1.3936**	**9.4300e-003**	**1.4030**		**1,103.0159**	**1,103.0159**	**0.0638**		**1,104.3557**

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	27.0128	56.7704	319.1051	0.5853	39.5034	1.1609	40.6643	10.5427	1.0702	11.6129		43,595.0751	43,595.0751	1.6828		43,630.4143
Unmitigated	27.0128	56.7704	319.1051	0.5853	39.5034	1.1609	40.6643	10.5427	1.0702	11.6129		43,595.0751	43,595.0751	1.6828		43,630.4143

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	9,648.00	3,376.80	321.60	12,134,005	12,134,005
Library	1,639.80	1,396.50	764.70	2,547,548	2,547,548
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	11,287.80	4,773.30	1,086.30	14,681,553	14,681,553

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
Junior College (2Yr)	12.50	4.20	5.40	6.40	88.60	5.00	92	7	1
Library	12.50	4.20	5.40	52.00	43.00	5.00	44	44	12
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.467876	0.065956	0.172405	0.161468	0.036746	0.005953	0.010744	0.069773	0.001331	0.001228	0.003449	0.000500	0.002571

4.4 Fleet Mix

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	0.1585	1.4407	1.2102	8.6400e-003		0.1095	0.1095		0.1095	0.1095		1,728.8316	1,728.8316	0.0331	0.0317	1,739.3530
NaturalGas Unmitigated	0.1585	1.4407	1.2102	8.6400e-003		0.1095	0.1095		0.1095	0.1095		1,728.8316	1,728.8316	0.0331	0.0317	1,739.3530

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					
Junior College (2Yr)	11958.9	0.1290	1.1724	0.9849	7.0300e-003		0.0891	0.0891		0.0891	0.0891		1,406.9299	1,406.9299	0.0270	0.0258	1,415.4922
Library	2736.16	0.0295	0.2683	0.2253	1.6100e-003		0.0204	0.0204		0.0204	0.0204		321.9017	321.9017	6.1700e-003	5.9000e-003	323.8607
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
Total		**0.1585**	**1.4407**	**1.2102**	**8.6400e-003**		**0.1095**	**0.1095**		**0.1095**	**0.1095**		**1,728.8316**	**1,728.8316**	**0.0331**	**0.0317**	**1,739.3530**

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					
Library	2.73616	0.0295	0.2683	0.2253	1.6100e-003		0.0204	0.0204		0.0204	0.0204		321.9017	321.9017	6.1700e-003	5.9000e-003	323.8607
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
Junior College (2Yr)	11.9589	0.1290	1.1724	0.9849	7.0300e-003		0.0891	0.0891		0.0891	0.0891		1,406.9299	1,406.9299	0.0270	0.0258	1,415.4922
Total		**0.1585**	**1.4407**	**1.2102**	**8.6400e-003**		**0.1095**	**0.1095**		**0.1095**	**0.1095**		**1,728.8316**	**1,728.8316**	**0.0331**	**0.0317**	**1,739.3530**

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	15.2768	7.4500e-003	0.8223	6.0000e-005		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		1.7672	1.7672	4.6000e-003		1.8638
Unmitigated	15.2768	7.4500e-003	0.8223	6.0000e-005		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		1.7672	1.7672	4.6000e-003		1.8638

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.4782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.7229					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0757	7.4500e-003	0.8223	6.0000e-005		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		1.7672	1.7672	4.6000e-003		1.8638
Total	**15.2768**	**7.4500e-003**	**0.8223**	**6.0000e-005**		**2.9200e-003**	**2.9200e-003**		**2.9200e-003**	**2.9200e-003**		**1.7672**	**1.7672**	**4.6000e-003**		**1.8638**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.4782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.7229					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0757	7.4500e-003	0.8223	6.0000e-005		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003		1.7672	1.7672	4.6000e-003		1.8638
Total	**15.2768**	**7.4500e-003**	**0.8223**	**6.0000e-005**		**2.9200e-003**	**2.9200e-003**		**2.9200e-003**	**2.9200e-003**		**1.7672**	**1.7672**	**4.6000e-003**		**1.8638**

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 Vegetation