

APPENDIX B  
HUMAN HEALTH RISK ASSESSMENT AND CALEEMOD AIR  
QUALITY CALCULATION RESULTS

**CONFIDENTIAL: Attorney-Client Privilege/Administrative Draft**

**TECHNICAL MEMORANDUM**

TO: Nick Meisinger and Dan Gira, Wood Environment & Infrastructure Solutions, Inc.  
FROM: Lora Granovsky, iLanco Environmental, LLC  
DATE: February 25, 2021  
SUBJECT: Results of a Health Risk Assessment (HRA) for the Beach Cities Health District Healthy Living Campus Master Plan Draft Environmental Impact Report (DEIR)

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This technical memorandum presents the analysis and results assessing potential human health impacts from air emissions associated with construction of the proposed Beach Cities Health District (BCHD) Healthy Living Campus Master Plan (Project). The analysis presented in this memorandum was conducted in support of the Draft Environmental Impact Report (DEIR) for the proposed Project, per compliance with the California Environmental Quality Act (CEQA).

The existing Project site is currently developed with the former South Bay Hospital building (the Beach Cities Health Center) at 514 North Prospect Avenue, an attached maintenance building, two privately operated medical office buildings at 510 and 520 North Prospect Avenue, and an aboveground parking structure located at 512 North Prospect Avenue.

Construction would be conducted in two distinct phases, which are described in the DEIR Project Description as the preliminary site development plan (Phase 1) and a programmatic, long-range plan (Phase 2). Phase 1 would include the construction of a Residential Care for the Elderly (RCFE) Building with 157 assisted living units and 60 replacement memory care units (replacing the Silverado Beach Cities Memory Care Community currently located within Beach Cities Health Center), 14,000 square feet (sf) of space for the Program of All-Inclusive Care for the Elderly (PACE), 6,270 sf of space for Community Services, and 9,100 sf of space for a Youth Wellness Center. The existing Beach Cities Health Center and the associated maintenance building would be demolished at the end of Phase 1, after the existing uses are relocated to the RCFE Building, and the former site of the two demolished structures would be replaced with a temporary surface parking lot.

The long-range development program for Phase 2 is less defined than the project-level preliminary site development plan for Phase 1 and is anticipated to begin approximately five years following completion of Phase 1 construction. Depending on the chosen site plan, Phase 2 may include one of several configurations described in detail in the DEIR Project Description. In all proposed configurations, Phase 2 would provide a 37,150-sf Wellness Pavilion, a 31,300-sf Aquatic Center, and a 20,000-sf Center for Health & Fitness. In addition, for the purposes of this quantitative analysis, Phase 2 was analyzed conservatively to also include demolition of the existing aboveground parking structure at 512 North Prospect Avenue, demolition of the building at 510 North Prospect, and construction of a new 50,000-sf Medical Office Building. The footprint of the Community Health and Wellness Center would be located within the temporary surface parking lot constructed during Phase 1, which would be removed during Phase 2. Permanent parking for the Community Health and Wellness Center and the other uses on the BCHD campus would be provided by a new parking structure. Although Phase 2 reflects a long-range

development with several possible site plan configurations, both Phase 1 and Phase 2 impacts were quantified conservatively, based on maximum land use intensity and construction.

## ANALYSIS

This analysis quantified the potential cancer risks and noncancer chronic health impacts to sensitive receptors that may be affected by exposure to toxic air contaminants (TAC) from proposed demolition and construction activities. Project operation would primarily consist of visitor, employee, and delivery vehicles. The transportation analysis prepared by Fehr & Peers (Fehr & Peers 2020) indicated that the proposed Project would result in fewer vehicle trips than baseline conditions. Health risks associated with operational emissions would thus also be less than the baseline and were therefore not quantified in this analysis.

Sensitive receptors include residences, schools, childcare, and convalescent facilities. The closest and most impacted sensitive receptors would be offsite residences surrounding the Project site. The onsite Beach Cities Child Care Development Center (BCCDC) and onsite residents at the existing Silverado Beach Cities Memory Care Community and the proposed RCFE, assisted living and memory care facilities, were also evaluated. Students at the Towers and Beryl Elementary schools were considered, but since these receptors would be located much further away from the property and would experience impacts much lower than nearby residential and onsite receptors, health impacts at these receptors were not quantified. Receptors further than those evaluated would experience lower impacts. Sensitive receptors are further discussed in the *Air Dispersion Modeling* discussion below.

The HRA was conducted by 1) calculating Project TAC emissions; 2) determining maximum TAC concentrations at sensitive receptors via air dispersion modeling; 3) quantifying health risks associated with those maximum concentrations; and 4) comparing health risks to thresholds. The HRA was conducted in accordance with the South Coast Air Quality Management District (SCAQMD) dispersion modeling guidance (SCAQMD 2020a) and the Office of Environmental Health Hazard Assessment Guidance (OEHHA 2015). The California Air Pollution Control Officers Association's, California Emissions Estimator Model (CalEEMod) was used to quantify emissions from anticipated construction activities. U.S. Environmental Protection Agency's (USEPA's) AERMOD dispersion model was used for dispersion modeling (USEPA 2019). California Air Resources Board (CARB) Hotspots Analysis Reporting Program (HARP), Risk Assessment Standalone Tool (RAST) was used to calculate cancer risk and noncancer chronic health impacts (CARB 2020).

## Pollutant Emissions

CalEEMod, version 2016.3.2 was used to quantify emissions from anticipated construction activities. CalEEMod is approved by the SCAQMD, which is the local air quality regulatory authority, and is well suited to development projects such as the proposed Project. CalEEMod uses emission factors for off-road equipment and on-road vehicles developed in the CARB OFFROAD and EMFAC databases, respectively.

CalEEMod land use categories that best reflect the proposed Project were used to run the model. The construction schedule and construction equipment fleet mix and utilization, provided by the construction contractor CBRE, were also used (CBRE 2020). The CalEEMod output is provided in Appendix A.

Project construction activities would require the use of off-road construction equipment and on-road vehicles. These equipment and vehicles would primarily burn diesel fuel, resulting in combustion exhaust emissions. The primary TAC of concern associated with combustion of diesel fuel is diesel particulate

matter (DPM). OEHHA guidance indicates that particulate matter of 10 microns in diameter or smaller (PM<sub>10</sub>) be used as a surrogate for the TAC DPM when evaluating health risks associated with DPM (OEHHA 2015). Table 1 presents the annual average DPM emissions, with and without mitigation, for each phase of construction. Annual average emissions were converted to grams per second (g/s) for use in dispersion modeling. Mitigation is discussed, under *Analysis Results*.

Because diesel exhaust is the dominant pollutant associated with construction of the proposed Project and diesel emissions from onsite construction emissions would be emitted in closest proximity to receptors, non-diesel emissions (i.e., tire wear, brake wear, gasoline employee vehicle exhaust) and diesel truck emissions, which would occur further from receptors and would be spread across a wide network of surface streets and highways, would have a negligible contribution to health risks, and therefore were not analyzed in this HRA.

**Table 1. Diesel Particulate Matter Emissions**

Phase	Year	Unmitigated		Mitigated	
		(ton/yr)	(g/s)	(ton/yr)	(g/s)
Phase 1	2022	0.1002	0.0029	0.0057	0.000165
	2023	0.1392	0.0040	0.0081	0.000232
	2024	0.0149	0.0004	0.0024	0.000068
	<i>Annual Average</i>	<i>0.0847</i>	<i>0.0024</i>	<i>0.0054</i>	<i>0.000155</i>
	<i>Annual Maximum</i>	<i>0.1392</i>	<i>0.0040</i>	<i>0.0081</i>	<i>0.000232</i>
Phase 2	2029	0.0342	0.00098	0.0061	0.000176
	2030	0.0379	0.0011	0.0100	0.000287
	2031	0.0465	0.0013	0.0092	0.000265
	<i>Annual Average</i>	<i>0.0395</i>	<i>0.0011</i>	<i>0.0084</i>	<i>0.000243</i>
	<i>Annual Maximum</i>	<i>0.0465</i>	<i>0.0013</i>	<i>0.0100</i>	<i>0.000287</i>
Notes: ton/yr = tons per year g/s = grams per second Annual average emissions in evaluation of cancer risk. Annual maximum emissions were used in evaluation of noncancer chronic impacts. Mitigation: Tier 4F engines on all construction equipment, except crushing equipment. Source: Emissions were calculated in CalEEMod and reflect onsite emissions. CalEEMod output is presented in Appendix A.					

### Air Dispersion Modeling

Dispersion modeling was conducted using USEPA’s AERMOD version 19191. The following describes the parameter selections used in AERMOD:

- Source Configuration - Source configuration was represented by polygon-shaped area sources that best reflect each anticipated construction phase. Since Phase 1 and Phase 2 activities would occur at different times and at different locations, a separate dispersion modeling run was performed for each phase of construction for simplicity. Each polygon-area source was modeled with a release height of 5 meters, which is typical of construction equipment, and an initial vertical dimension of 1.16 meters.<sup>1</sup>

<sup>1</sup> Per USEPA’s AERMOD guidance, the initial vertical dimension of the plume is determined by dividing the vertical dimension of the source by 4.3 when the source is not attached to a building.

- Terrain Elevation - The Project site is located on a small hill. Depending on the location, the difference in elevation between the Project site and surrounding receptors varies from 30 to 100 feet. SCAQMD recommends that if all receptor elevations are lower than the base elevation of the source, dispersion modeling should assume the non-default, flat terrain option. Per SCAQMD's conservative guidance, all sources and receptors were modeled at zero elevation.
- Meteorology - The Hawthorne Airport, California meteorological dataset (Station ID 3167) was used in dispersion modeling. The dataset was processed and prepared by the SCAQMD (SCAQMD 2020b) and captures localized wind patterns. [Figure 1](#) shows the wind rose diagram for the Hawthorne meteorological station showing that west and west-southwest winds prevail in the region. The most recent 5 years of available meteorological data were modeled (i.e., 2012 through 2016).
- Receptors - Sensitive receptors are populations that are more susceptible to the effects of air pollution than is the population at large. The SCAQMD identifies sensitive receptors as residences, long-term health care facilities, rehabilitation centers, convalescent centers, retirement homes, schools, and childcare centers. To assess impacts at sensitive receptors, AERMOD was run with a Cartesian grid of nearly 1,500 receptors covering the entire modeling domain. Grid receptors were spaced every 25 meters along the construction boundary, every 25 meters from the construction boundary to a distance of 50 meters, every 50 meters to a distance of 100 meters from the construction boundary, and every 100 meters to a distance of 1,000 meters from the construction boundary.

In addition, discrete receptors were modeled at specific offsite residences directly surrounding the project site, the onsite BCCDC, and onsite residents at the existing Silverado Beach Cities Memory Care Community and the proposed RCFE. Students at Towers and Beryl Elementary Schools were also included in the dispersion modeling.

Figure 1. Wind Rose Diagram

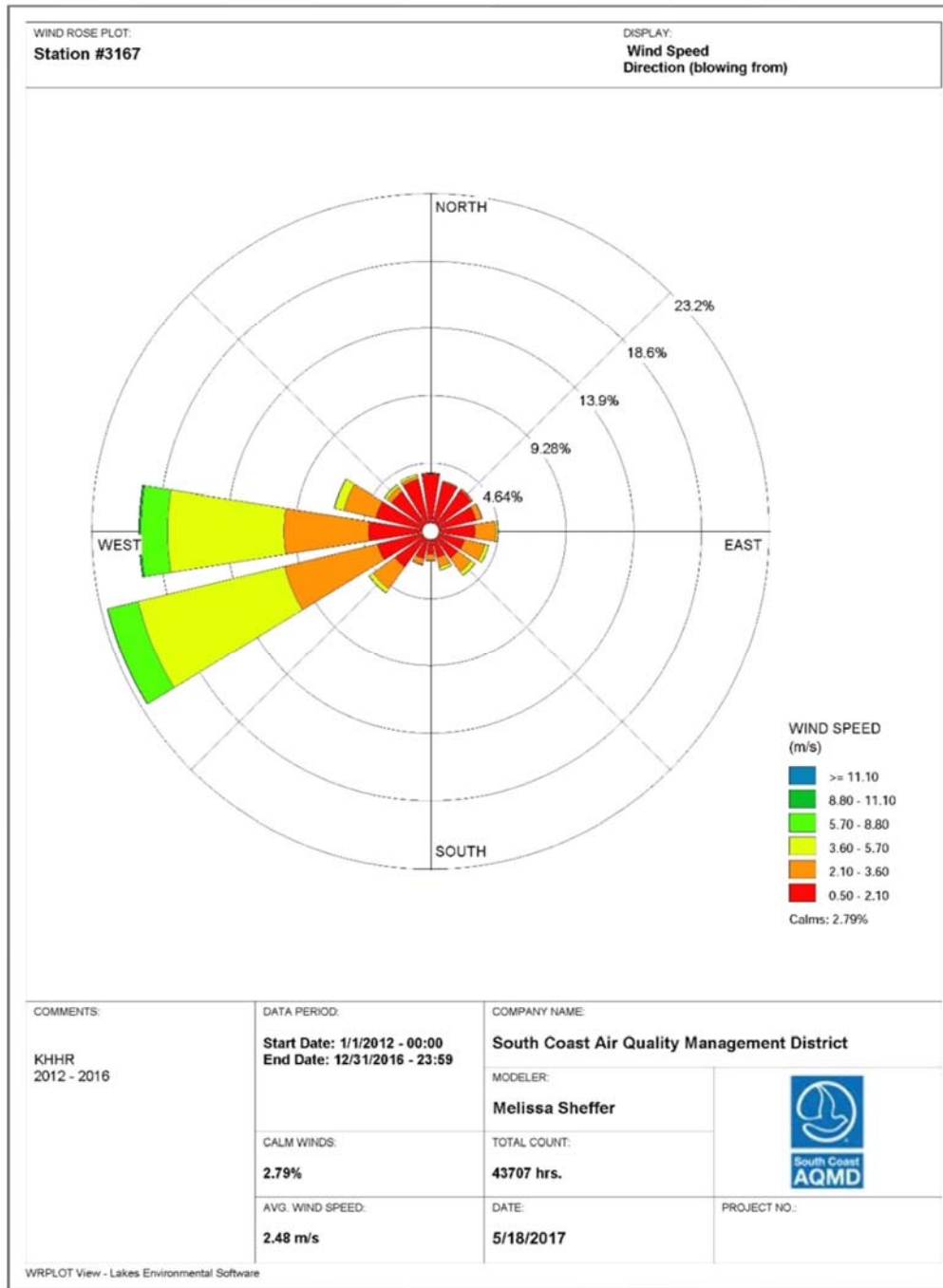


Table 2 shows the dispersion modeling results (ground-level DPM concentrations) for the point of maximum impact (PMI), the maximum exposed individual resident (MEIR), the BCCDC, and residents living at the Silverado Beach Cities Memory Care Community facility and at the proposed RCFE. The PMI would occur on the eastern property line of the Project site during both Phase 1 and Phase 2 construction. It should be noted that the PMI represents the point of maximum impact regardless of whether a human receptor would be present at that location; no concentration higher than the PMI

would occur from the proposed construction activities. The MEIR would occur just east of the Project site, north of Towers Street during Phase 1 and south of Towers Street during Phase 2 construction.

Dispersion modeling was also conducted for receptors at the Towers Elementary and Beryl Elementary Schools, located approximately 120 meters east and 370 meters southwest from the property, respectively. Dispersion modeling showed that concentrations at these receptors would be one to two orders of magnitude lower than the PMI, MEIR, and onsite receptors. Health impacts at these receptors were therefore inferred to be correspondingly lower than the PMI, MEIR, and onsite receptors. Pollutant concentrations at Towers and Beryl Elementary Schools are not presented in Table 2 for conciseness but are shown in Attachment B, Supporting Tables. Mitigation is discussed, under *Analysis Results*.

### Health Risk Evaluation

This analysis evaluated individual lifetime cancer risks and noncancer chronic hazard index (HIC) associated with the proposed Project's DPM emissions. The individual lifetime cancer risk represents the chance that an individual would contract cancer after exposure to the proposed Project TACs. Cancer risk is quantified by taking into consideration the TAC concentration, receptor breathing rate, duration and frequency of exposure, age sensitivity, and the TAC potency factor developed by OEHHA.

The HIC evaluates the probability of TACs to cause adverse noncancer health effects due to long-term exposure. The HIC is quantified by dividing the TAC concentration at each sensitive receptor location by the TAC reference exposure level (REL) established by OEHHA, where the REL is a pollutant concentration below which OEHHA has determined that no adverse health effect is anticipated. An acute HI, which evaluates the probability of TACs to cause adverse health effects due to short-term exposure, was not quantified for the proposed Project because the chief pollutant of concern is DPM, for which OEHHA has not established an acute REL. Furthermore, OEHHA states that an acute HI analysis of the individual TAC components of diesel exhaust is warranted only in certain unusual situations such as when a nearby receptor is located above the emission release point (e.g., on a hillside or in a multi-story apartment building) (OEHHA 2015). No unusual situations were identified for the proposed Project which would warrant an acute HI analysis.

The HRA analysis was performed using CARB's HARP software. HARP was developed by CARB to assess health risk under California's Air Toxics Hotspots Program and is appropriate for HRAs in support of CEQA documentation. HARP incorporates exposure parameters, environmental fate assumptions, dose calculation algorithms developed by OEHHA (OEHHA 2015), and ground-level concentrations predicted by dispersion modeling to estimate potential health impacts. HARP's RAST 19044 (CARB 2019) was used to estimate health effects associated with demolition and construction of the proposed Project.

Cancer risk for residential offsite receptors during Phase 1 conservatively assumed exposure starting in the third trimester before birth and an exposure duration of 3 years after birth, the duration of Phase 1 construction, whereas cancer risk for the same receptors during Phase 2 conservatively assumed exposure starting in the third year of life and an exposure duration of 3 years, the duration of Phase 2 construction. Cancer risk at the onsite BCCDC was quantified from birth, for an exposure duration of 3 years for each Phase. Cancer risk for residents of the Silverado Beach Cities Memory Care Community were quantified assuming a starting age of 60 and an exposure duration of 3 years during Phase 1. Cancer risk for residents of the proposed RCFE residents also assumed a starting age of 60 and an exposure duration of 3 years during Phase 2.

Since Phase 1 and Phase 2 activities would occur in different locations within the construction boundaries, their contribution to cancer risk would be slightly different at the surrounding receptors. For example, the PMI would occur in a slightly different location for Phase 1 than for Phase 2. To capture

maximum impacts, cancer risks at the PMI, the MEIR and onsite receptors were calculated individually for Phase 1 and for Phase 2, and then added for each receptor type. For example, cancer risk at the PMI for Phase 1 was added to cancer risk at the PMI for Phase 2 even though the Phase 1 PMI would occur in a slightly different location than the Phase 2 PMI. The same approach was done for the MEIR and onsite receptors. This results in a conservative estimate (i.e., overstating) of cancer risk because the maximum impacts from Phase 1 and Phase 2 were added even though they would actually occur at slightly different locations. The H1c, at each receptor, was determined by taking the maximum calculated H1c from Phase 1 and Phase 2.

## ANALYSIS RESULTS

SCAQMD has established health-protective thresholds of 10 in a million (1.0E-05) for cancer risk and 1.0 for H1c (SCAQMD 2019). Table 2 presents cancer risk and H1c results and shows that the proposed demolition and construction activities associated with the proposed Project, prior to mitigation, would result in impacts above SCAQMD's thresholds. Mitigation, consisting of USEPA Tier 4 Final engines on all construction equipment, except crushing equipment, would be used to ensure that cancer risk is below SCAQMD's thresholds.<sup>2</sup> Tier 4 Final engines have the strictest EPA emissions requirement for off-highway diesel engines. CalEEMod output in Appendix A shows that the use of Tier 4 engines would decrease DPM emissions (as PM<sub>10</sub> exhaust) by more than 94 percent and 79 percent for Phase 1 and Phase 2, respectively.

Table 2 shows that impacts would be below the SCAQMD thresholds following mitigation. As discussed above, in the Air Dispersion Modeling section, receptors presented in Table 2 reflect those that would be most impacted; receptors other than those identified would experience lower impacts. Figure 2 shows the location of the PMI following mitigation.

**Table 2. Analysis Results**

Average Annual Concentration (µg/m3)	Cancer Risk	Above Threshold?	Maximum Annual Concentration (µg/m3)	H1c	Above Threshold?	Location/Scenario
<i>Phase 1, Unmitigated</i>						
0.2498	9.26E-05 (92.6 in a million)	Yes	0.41021	8.20E-02	No	MICR at PMI (start - 3rd trimester, duration - 3 years)
0.2173	8.05E-05 (80.5 in a million)	Yes	0.35686	7.14E-02	No	MICR at MEIR (start - 3rd trimester, duration - 3 years)
0.1694	1.30E-06 (1.30 in a million)	No	0.27815	5.56E-02	No	MICR at Assisted Living onsite (start - 60, duration - 3 years)
0.1694	6.05E-05 (60.5 in a million)	Yes	0.27815	5.56E-02	No	MICR at Child Care Center onsite (start - 0, duration - 3 years)
<i>Phase 2, Unmitigated</i>						
0.13302	1.14E-05	Yes	0.1565	3.13E-02	No	MICR at PMI (start - 3rd

<sup>2</sup> Crushing equipment is unique equipment. Although crushing equipment with Tier 4 Final engines may be available during Phase 2, in particular, this analysis conservatively assumed that crushing equipment would not be equipped with Tier 4 Final engines. This is a conservative assumption because the use of cleaner crushing equipment would further reduce health effects from what is presented in this analysis.



Average Annual Concentration (µg/m3)	Cancer Risk	Above Threshold?	Maximum Annual Concentration (µg/m3)	Hlc	Above Threshold?	Location/Scenario
	(11.4 in a million)					year, duration - 3 years)
0.09413	8.06E-06 (8.06 in a million)	No	0.11075	2.22E-02	No	MICR at MEIR (start - 3rd year, duration - 3 years)
0.01757	1.35E-07 (0.13 in a million)	No	0.02067	4.13E-03	No	MICR at Assisted Living onsite (start - 60, duration - 3 years)
0.01757	6.27E-06 (6.27 in a million)	No	0.02067	4.13E-03	No	MICR at Child Care Center onsite (start - 0, duration - 3 years)
<b>Total, Unmitigated</b>						
	1.04E-04 (104 in a million)	Yes		8.20E-02	No	MICR at PMI
	8.86E-05 (88.6 in a million)	Yes		7.14E-02	No	MICR at MEIR
	1.44E-06 (1.44 in a million)	No		5.56E-02	No	MICR at Assisted Living onsite
	6.68E-05 (66.8 in a million)	Yes		5.56E-02	No	MICR at Child Care Living onsite
<b>Phase 1, Mitigated</b>						
0.0159	5.88E-06 (5.88 in a million)	No	0.02373	4.75E-03	No	MICR at PMI (start - 3rd trimester, duration - 3 years)
0.0138	5.11E-06 (5.11 in a million)	No	0.02064	4.13E-03	No	MICR at MEIR (start - 3rd trimester, duration - 3 years)
0.0108	8.27E-08 (0.08 in a million)	No	0.01609	3.22E-03	No	MICR at Assisted Living onsite (start - 60, duration - 3 years)
0.0108	3.86E-06 (3.86 in a million)	No	0.01609	3.22E-03	No	MICR at Child Care onsite (start - 0, duration - 3 years)
<b>Phase 2, Mitigated</b>						
0.02841	2.43E-06 (2.43 in a million)	No	0.03098	6.20E-03	No	MICR at PMI (start - 3rd year, duration - 3 years)
0.02010	1.72E-06 (1.72 in a million)	No	0.02192	4.38E-03	No	MICR at MEIR (start - 3rd year, duration - 3 years)
0.00375	2.88E-08 (0.03 in a million)	No	0.00409	8.18E-04	No	MICR at Assisted Living onsite (start - 60, duration - 3 years)
0.00375	1.34E-06 (1.34 in a million)	No	0.00409	8.18E-04	No	MICR at Child Care onsite (start - 0, duration - 3 years)
<b>Total, Mitigated</b>						
	8.31E-06 (8.31 in a million)	No		6.20E-03	No	MICR at PMI
	6.83E-06 (6.83 in a million)	No		4.38E-03	No	MICR at MEIR
	1.12E-07 (0.112 in a million)	No		3.22E-03	No	MICR at Assisted Living onsite
	5.19E-06 (5.19 in a million)	No		3.22E-03	No	MICR at Child Care onsite

Notes:  
 SCAQMD Cancer Threshold: 1.0E-05 (10 in a million)  
 SCAQMD Noncancer Chronic Threshold: 1.0

Average Annual Concentration ( $\mu\text{g}/\text{m}^3$ )	Cancer Risk	Above Threshold?	Maximum Annual Concentration ( $\mu\text{g}/\text{m}^3$ )	Hlc	Above Threshold?	Location/Scenario
<p><math>\mu\text{g}/\text{m}^3</math> = micrograms per meters cubed  Hlc = chronic hazard index  PMI = point of maximum impact  MEIR = maximum exposed individual resident  MICR = maximum individual cancer risk</p> <p><u>UTM Receptor Coordinates (E/N, meters)</u>  Phase 1 PMI: 372,520.3/3,746,817.5, would occur at east boundary.  Phase 1 MEIR: 372,534.83/3,746,836.7, would occur at residence, east of property, just north of Towers St.  Phase 1 Assisted Living Onsite and Child Care Center: 372430.12/3746742.09.  Phase 2 PMI: 372,528.1/3,746,726.2, would occur at east boundary.  Phase 2 MEIR: 372,546.01/3,746,705.81, would occur at residence, east of property, just south of Towers St.  Phase 2 Assisted Living Onsite and Child Care Center: 372390.3/3746807.4</p>						

Figure 2. Cancer Risk at the Point of Maximum Impact, Mitigated



## REFERENCES

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ATTACHMENT A  
CalEEMod Output

BCHD Phase 1 HRA - South Coast AQMD Air District, Annual

**BCHD Phase 1 HRA**  
**South Coast AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	14.00	1000sqft	0.32	14,000.00	0
Place of Worship	6.27	1000sqft	0.14	6,270.00	0
Place of Worship	9.10	1000sqft	0.21	9,100.00	0
Parking Lot	91.00	Space	0.82	36,500.00	0
Congregate Care (Assisted Living)	217.00	Dwelling Unit	2.64	255,200.00	297

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	8			<b>Operational Year</b>	2023
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -  
 Land Use - Provided by BCHD.  
 Construction Phase - Provided by BCHD.  
 Trips and VMT - BCHD

Demolition -

Grading -

Woodstoves - BCHD

Construction Off-road Equipment Mitigation - Dust mitigation 2006WRAP.

Table Name	Column Name	Default Value	New Value
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tblFireplaces	NumberWood	10.85	0.00
tblGrading	MaterialExported	0.00	20,000.00

tblGrading	MaterialImported	0.00	14,000.00
tblLandUse	LandUseSquareFeet	36,400.00	36,500.00
tblLandUse	LandUseSquareFeet	217,000.00	255,200.00
tblLandUse	LotAcreage	13.56	2.64
tblLandUse	Population	621.00	297.00
tblOffRoadEquipment	HorsePower	231.00	147.00
tblOffRoadEquipment	HorsePower	221.00	362.00
tblOffRoadEquipment	HorsePower	85.00	475.00
tblOffRoadEquipment	HorsePower	85.00	475.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	455.00	1,150.00
tblTripsAndVMT	HaulingTripNumber	3,164.00	4,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,750.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblWoodstoves	NumberCatalytic	10.85	0.00
tblWoodstoves	NumberNoncatalytic	10.85	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					
2022	0.3161	2.7401	2.9829	7.8400e-003	0.3464	0.1037	0.4502	0.0855	0.0975	0.1830	0.0000	712.5097	712.5097	0.0902	0.0000	714.7653
2023	1.2054	3.1638	4.5765	9.6400e-003	0.3766	0.1420	0.5186	0.1008	0.1334	0.2342	0.0000	857.4080	857.4080	0.1255	0.0000	860.5452
2024	0.2235	0.7819	0.5429	2.9500e-003	0.2336	0.0158	0.2493	0.0428	0.0149	0.0577	0.0000	284.8596	284.8596	0.0272	0.0000	285.5388
<b>Maximum</b>	<b>1.2054</b>	<b>3.1638</b>	<b>4.5765</b>	<b>9.6400e-003</b>	<b>0.3766</b>	<b>0.1420</b>	<b>0.5186</b>	<b>0.1008</b>	<b>0.1334</b>	<b>0.2342</b>	<b>0.0000</b>	<b>857.4080</b>	<b>857.4080</b>	<b>0.1255</b>	<b>0.0000</b>	<b>860.5452</b>

**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					
2022	0.1488	1.1269	3.1131	7.8400e-003	0.3016	9.2500e-003	0.3108	0.0790	9.0300e-003	0.0880	0.0000	712.5094	712.5094	0.0902	0.0000	714.7649
2023	0.9652	0.8270	4.7805	9.6400e-003	0.3766	0.0109	0.3875	0.1008	0.0107	0.1114	0.0000	857.4075	857.4075	0.1255	0.0000	860.5447
2024	0.1987	0.5199	0.5825	2.9500e-003	0.1063	3.2700e-003	0.1096	0.0236	3.2300e-003	0.0268	0.0000	284.8595	284.8595	0.0272	0.0000	285.5387
<b>Maximum</b>	<b>0.9652</b>	<b>1.1269</b>	<b>4.7805</b>	<b>9.6400e-003</b>	<b>0.3766</b>	<b>0.0109</b>	<b>0.3875</b>	<b>0.1008</b>	<b>0.0107</b>	<b>0.1114</b>	<b>0.0000</b>	<b>857.4075</b>	<b>857.4075</b>	<b>0.1255</b>	<b>0.0000</b>	<b>860.5447</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>24.77</b>	<b>63.00</b>	<b>-4.61</b>	<b>0.00</b>	<b>18.00</b>	<b>91.04</b>	<b>33.68</b>	<b>11.23</b>	<b>90.66</b>	<b>52.35</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
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1	2-1-2022	4-30-2022	3.2628	2.0009
2	5-1-2022	7-31-2022	0.7994	0.2670
3	8-1-2022	10-31-2022	0.8008	0.2684
4	11-1-2022	1-31-2023	0.7755	0.2596
5	2-1-2023	4-30-2023	0.6956	0.2279
6	5-1-2023	7-31-2023	1.1360	0.4994
7	8-1-2023	10-31-2023	1.4946	0.6285
8	11-1-2023	1-31-2024	1.3089	0.7187
9	2-1-2024	4-30-2024	0.0634	0.0555
10	5-1-2024	7-31-2024	1.3691	0.8874
		Highest	3.2628	2.0009

**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	1.1922	0.0258	2.2399	1.2000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	3.6585	3.6585	3.5200e-003	0.0000	3.7466
Energy	0.0158	0.1363	0.0671	8.6000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	539.0127	539.0127	0.0188	6.1300e-003	541.3106
Mobile	0.2904	1.4037	3.7848	0.0149	1.2797	0.0106	1.2903	0.3429	9.8500e-003	0.3528	0.0000	1,376.5021	1,376.5021	0.0632	0.0000	1,378.0807
Waste						0.0000	0.0000		0.0000	0.0000	88.6705	0.0000	88.6705	5.2403	0.0000	219.6774
Water						0.0000	0.0000		0.0000	0.0000	5.1954	103.3399	108.5353	0.5379	0.0135	126.0001
<b>Total</b>	<b>1.4984</b>	<b>1.5658</b>	<b>6.0918</b>	<b>0.0159</b>	<b>1.2797</b>	<b>0.0339</b>	<b>1.3136</b>	<b>0.3429</b>	<b>0.0332</b>	<b>0.3761</b>	<b>93.8659</b>	<b>2,022.5131</b>	<b>2,116.3790</b>	<b>5.8636</b>	<b>0.0196</b>	<b>2,268.8155</b>

**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	1.1922	0.0258	2.2399	1.2000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	3.6585	3.6585	3.5200e-003	0.0000	3.7466
Energy	0.0158	0.1363	0.0671	8.6000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	539.0127	539.0127	0.0188	6.1300e-003	541.3106
Mobile	0.2904	1.4037	3.7848	0.0149	1.2797	0.0106	1.2903	0.3429	9.8500e-003	0.3528	0.0000	1,376.5021	1,376.5021	0.0632	0.0000	1,378.0807
Waste						0.0000	0.0000		0.0000	0.0000	88.6705	0.0000	88.6705	5.2403	0.0000	219.6774
Water						0.0000	0.0000		0.0000	0.0000	5.1954	103.3399	108.5353	0.5379	0.0135	126.0001
<b>Total</b>	<b>1.4984</b>	<b>1.5658</b>	<b>6.0918</b>	<b>0.0159</b>	<b>1.2797</b>	<b>0.0339</b>	<b>1.3136</b>	<b>0.3429</b>	<b>0.0332</b>	<b>0.3761</b>	<b>93.8659</b>	<b>2,022.5131</b>	<b>2,116.3790</b>	<b>5.8636</b>	<b>0.0196</b>	<b>2,268.8155</b>

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	1	Demolition	2/11/2022	2/20/2022	6	8	Phase 1 Asphalt demo
2	2	Site Preparation	2/15/2022	3/11/2022	6	22	Phase 1 Shoring soldier piles
3	3	Grading	3/12/2022	4/11/2022	6	27	Phase 1 Excavation
4	5	Building Construction	4/12/2022	12/7/2023	6	520	Phase 1 Building construction
5	6	Architectural Coating	5/26/2023	2/15/2024	6	228	Phase 1 Finishes
6	4	Paving	6/30/2023	1/11/2024	6	168	Phase 1 Sitework exterior improv
7	7	Demolition	5/3/2024	6/1/2024	6	26	Phase 1 Demo existing hospital
8	8	Grading	6/2/2024	6/28/2024	6	23	Phase 1 Backfill existing basement

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.82

Residential Indoor: 516,780; Residential Outdoor: 172,260; Non-Residential Indoor: 44,055; Non-Residential Outdoor: 14,685; Striped

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
1	Concrete/Industrial Saws	1	8.00	81	0.73
1	Crushing/Proc. Equipment	1	4.00	475	0.78
1	Rubber Tired Dozers	1	8.00	247	0.40
1	Tractors/Loaders/Backhoes	3	8.00	97	0.37
2	Bore/Drill Rigs	1	6.00	362	0.50
2	Cranes	1	6.00	231	0.29
3	Excavators	1	4.00	158	0.38
3	Rubber Tired Loaders	1	6.00	203	0.36
3	Scrapers	1	6.00	367	0.48
5	Cranes	1	4.00	147	0.29
5	Forklifts	3	8.00	89	0.20
5	Generator Sets	1	8.00	84	0.74
5	Tractors/Loaders/Backhoes	3	8.00	97	0.37
5	Welders	1	8.00	46	0.45
6	Air Compressors	1	6.00	78	0.48
4	Cement and Mortar Mixers	1	8.00	9	0.56
4	Pavers	1	8.00	130	0.42
4	Paving Equipment	1	8.00	132	0.36
4	Rollers	2	8.00	80	0.38
4	Tractors/Loaders/Backhoes	1	8.00	97	0.37
7	Concrete/Industrial Saws	1	8.00	81	0.73

7	Crushing/Proc. Equipment	1	4.00	475	0.78
7	Rubber Tired Dozers	1	8.00	247	0.40
7	Tractors/Loaders/Backhoes	3	8.00	97	0.37
8	Excavators	1	4.00	158	0.38
8	Rollers	1	8.00	80	0.38
8	Rubber Tired Loaders	1	6.00	203	0.36

### Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
1	6	15.00	0.00	1,150.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
2	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
3	3	8.00	0.00	2,500.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
5	9	183.00	34.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
6	1	37.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
4	6	15.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
7	6	15.00	0.00	4,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
8	3	8.00	0.00	1,750.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

### 3.2 1 - 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
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Category	tons/yr										MT/yr					
Fugitive Dust					0.0492	0.0000	0.0492	7.4500e-003	0.0000	7.4500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0101	0.0846	0.0698	1.6000e-004		3.9800e-003	3.9800e-003		3.7600e-003	3.7600e-003	0.0000	15.1688	15.1688	2.4200e-003	0.0000	15.2294
<b>Total</b>	<b>0.0101</b>	<b>0.0846</b>	<b>0.0698</b>	<b>1.6000e-004</b>	<b>0.0492</b>	<b>3.9800e-003</b>	<b>0.0532</b>	<b>7.4500e-003</b>	<b>3.7600e-003</b>	<b>0.0112</b>	<b>0.0000</b>	<b>15.1688</b>	<b>15.1688</b>	<b>2.4200e-003</b>	<b>0.0000</b>	<b>15.2294</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0100e-003	0.1383	0.0314	4.3000e-004	9.8900e-003	3.9000e-004	0.0103	2.7100e-003	3.7000e-004	3.0900e-003	0.0000	42.4260	42.4260	2.8800e-003	0.0000	42.4981
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.7000e-004	1.9300e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5528	0.5528	1.0000e-005	0.0000	0.5532
<b>Total</b>	<b>4.2400e-003</b>	<b>0.1385</b>	<b>0.0333</b>	<b>4.4000e-004</b>	<b>0.0106</b>	<b>3.9000e-004</b>	<b>0.0109</b>	<b>2.8800e-003</b>	<b>3.7000e-004</b>	<b>3.2700e-003</b>	<b>0.0000</b>	<b>42.9788</b>	<b>42.9788</b>	<b>2.8900e-003</b>	<b>0.0000</b>	<b>43.0513</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0128	0.0000	0.0128	1.9400e-003	0.0000	1.9400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.4600e-003	0.0230	0.0728	1.6000e-004		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	15.1688	15.1688	2.4200e-003	0.0000	15.2293

<b>Total</b>	<b>4.4600e-003</b>	<b>0.0230</b>	<b>0.0728</b>	<b>1.6000e-004</b>	<b>0.0128</b>	<b>7.8000e-004</b>	<b>0.0136</b>	<b>1.9400e-003</b>	<b>7.8000e-004</b>	<b>2.7200e-003</b>	<b>0.0000</b>	<b>15.1688</b>	<b>15.1688</b>	<b>2.4200e-003</b>	<b>0.0000</b>	<b>15.2293</b>
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**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0100e-003	0.1383	0.0314	4.3000e-004	9.8900e-003	3.9000e-004	0.0103	2.7100e-003	3.7000e-004	3.0900e-003	0.0000	42.4260	42.4260	2.8800e-003	0.0000	42.4981
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.7000e-004	1.9300e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5528	0.5528	1.0000e-005	0.0000	0.5532
<b>Total</b>	<b>4.2400e-003</b>	<b>0.1385</b>	<b>0.0333</b>	<b>4.4000e-004</b>	<b>0.0106</b>	<b>3.9000e-004</b>	<b>0.0109</b>	<b>2.8800e-003</b>	<b>3.7000e-004</b>	<b>3.2700e-003</b>	<b>0.0000</b>	<b>42.9788</b>	<b>42.9788</b>	<b>2.8900e-003</b>	<b>0.0000</b>	<b>43.0513</b>

**3.3 2 - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.9100e-003	0.0618	0.0420	1.7000e-004		2.3600e-003	2.3600e-003		2.1700e-003	2.1700e-003	0.0000	15.3446	15.3446	4.9600e-003	0.0000	15.4687
<b>Total</b>	<b>5.9100e-003</b>	<b>0.0618</b>	<b>0.0420</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>2.3600e-003</b>	<b>2.3600e-003</b>	<b>0.0000</b>	<b>2.1700e-003</b>	<b>2.1700e-003</b>	<b>0.0000</b>	<b>15.3446</b>	<b>15.3446</b>	<b>4.9600e-003</b>	<b>0.0000</b>	<b>15.4687</b>

**Unmitigated Construction Off-Site**

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1700e-003	9.3800e-003	0.0794	1.7000e-004		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004	0.0000	15.3446	15.3446	4.9600e-003	0.0000	15.4687
<b>Total</b>	<b>2.1700e-003</b>	<b>9.3800e-003</b>	<b>0.0794</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>2.9000e-004</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>2.9000e-004</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>15.3446</b>	<b>15.3446</b>	<b>4.9600e-003</b>	<b>0.0000</b>	<b>15.4687</b>

**Mitigated Construction Off-Site**

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

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#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0114	0.0000	0.0114	1.2800e-003	0.0000	1.2800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0121	0.1282	0.0983	2.4000e-004		4.9500e-003	4.9500e-003		4.5600e-003	4.5600e-003	0.0000	21.3104	21.3104	6.8900e-003	0.0000	21.4827
<b>Total</b>	<b>0.0121</b>	<b>0.1282</b>	<b>0.0983</b>	<b>2.4000e-004</b>	<b>0.0114</b>	<b>4.9500e-003</b>	<b>0.0164</b>	<b>1.2800e-003</b>	<b>4.5600e-003</b>	<b>5.8400e-003</b>	<b>0.0000</b>	<b>21.3104</b>	<b>21.3104</b>	<b>6.8900e-003</b>	<b>0.0000</b>	<b>21.4827</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.3900e-003	0.2895	0.0657	9.0000e-004	0.0213	8.2000e-004	0.0221	5.8300e-003	7.8000e-004	6.6100e-003	0.0000	88.8144	88.8144	6.0400e-003	0.0000	88.9654
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Worker	4.1000e-004	2.9000e-004	3.3500e-003	1.0000e-005	1.1400e-003	1.0000e-005	1.1500e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	0.9583	0.9583	2.0000e-005	0.0000	0.9589
<b>Total</b>	<b>8.8000e-003</b>	<b>0.2898</b>	<b>0.0691</b>	<b>9.1000e-004</b>	<b>0.0224</b>	<b>8.3000e-004</b>	<b>0.0233</b>	<b>6.1300e-003</b>	<b>7.9000e-004</b>	<b>6.9200e-003</b>	<b>0.0000</b>	<b>89.7727</b>	<b>89.7727</b>	<b>6.0600e-003</b>	<b>0.0000</b>	<b>89.9242</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.9700e-003	0.0000	2.9700e-003	3.3000e-004	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9800e-003	0.0129	0.1198	2.4000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	21.3104	21.3104	6.8900e-003	0.0000	21.4827
<b>Total</b>	<b>2.9800e-003</b>	<b>0.0129</b>	<b>0.1198</b>	<b>2.4000e-004</b>	<b>2.9700e-003</b>	<b>4.0000e-004</b>	<b>3.3700e-003</b>	<b>3.3000e-004</b>	<b>4.0000e-004</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>21.3104</b>	<b>21.3104</b>	<b>6.8900e-003</b>	<b>0.0000</b>	<b>21.4827</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.3900e-003	0.2895	0.0657	9.0000e-004	0.0213	8.2000e-004	0.0221	5.8300e-003	7.8000e-004	6.6100e-003	0.0000	88.8144	88.8144	6.0400e-003	0.0000	88.9654
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	2.9000e-004	3.3500e-003	1.0000e-005	1.1400e-003	1.0000e-005	1.1500e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	0.9583	0.9583	2.0000e-005	0.0000	0.9589
<b>Total</b>	<b>8.8000e-003</b>	<b>0.2898</b>	<b>0.0691</b>	<b>9.1000e-004</b>	<b>0.0224</b>	<b>8.3000e-004</b>	<b>0.0233</b>	<b>6.1300e-003</b>	<b>7.9000e-004</b>	<b>6.9200e-003</b>	<b>0.0000</b>	<b>89.7727</b>	<b>89.7727</b>	<b>6.0600e-003</b>	<b>0.0000</b>	<b>89.9242</b>

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1831	1.6251	1.9129	2.8300e-003		0.0889	0.0889		0.0837	0.0837	0.0000	242.6623	242.6623	0.0564	0.0000	244.0730
<b>Total</b>	<b>0.1831</b>	<b>1.6251</b>	<b>1.9129</b>	<b>2.8300e-003</b>		<b>0.0889</b>	<b>0.0889</b>		<b>0.0837</b>	<b>0.0837</b>	<b>0.0000</b>	<b>242.6623</b>	<b>242.6623</b>	<b>0.0564</b>	<b>0.0000</b>	<b>244.0730</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0103	0.3541	0.0875	9.6000e-004	0.0243	6.5000e-004	0.0250	7.0200e-003	6.2000e-004	7.6400e-003	0.0000	93.3866	93.3866	5.7300e-003	0.0000	93.5300
Worker	0.0813	0.0578	0.6683	2.1200e-003	0.2279	1.6600e-003	0.2295	0.0605	1.5300e-003	0.0621	0.0000	191.3788	191.3788	4.8100e-003	0.0000	191.4990
<b>Total</b>	<b>0.0916</b>	<b>0.4118</b>	<b>0.7558</b>	<b>3.0800e-003</b>	<b>0.2522</b>	<b>2.3100e-003</b>	<b>0.2545</b>	<b>0.0675</b>	<b>2.1500e-003</b>	<b>0.0697</b>	<b>0.0000</b>	<b>284.7654</b>	<b>284.7654</b>	<b>0.0105</b>	<b>0.0000</b>	<b>285.0289</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr									MT/yr						
Off-Road	0.0343	0.2412	1.9812	2.8300e-003		4.2500e-003	4.2500e-003		4.2500e-003	4.2500e-003	0.0000	242.6620	242.6620	0.0564	0.0000	244.0727
<b>Total</b>	<b>0.0343</b>	<b>0.2412</b>	<b>1.9812</b>	<b>2.8300e-003</b>		<b>4.2500e-003</b>	<b>4.2500e-003</b>		<b>4.2500e-003</b>	<b>4.2500e-003</b>	<b>0.0000</b>	<b>242.6620</b>	<b>242.6620</b>	<b>0.0564</b>	<b>0.0000</b>	<b>244.0727</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0103	0.3541	0.0875	9.6000e-004	0.0243	6.5000e-004	0.0250	7.0200e-003	6.2000e-004	7.6400e-003	0.0000	93.3866	93.3866	5.7300e-003	0.0000	93.5300
Worker	0.0813	0.0578	0.6683	2.1200e-003	0.2279	1.6600e-003	0.2295	0.0605	1.5300e-003	0.0621	0.0000	191.3788	191.3788	4.8100e-003	0.0000	191.4990
<b>Total</b>	<b>0.0916</b>	<b>0.4118</b>	<b>0.7558</b>	<b>3.0800e-003</b>	<b>0.2522</b>	<b>2.3100e-003</b>	<b>0.2545</b>	<b>0.0675</b>	<b>2.1500e-003</b>	<b>0.0697</b>	<b>0.0000</b>	<b>284.7654</b>	<b>284.7654</b>	<b>0.0105</b>	<b>0.0000</b>	<b>285.0289</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2163	1.9286	2.4484	3.6400e-003		0.0982	0.0982		0.0925	0.0925	0.0000	312.2815	312.2815	0.0721	0.0000	314.0828
<b>Total</b>	<b>0.2163</b>	<b>1.9286</b>	<b>2.4484</b>	<b>3.6400e-003</b>		<b>0.0982</b>	<b>0.0982</b>		<b>0.0925</b>	<b>0.0925</b>	<b>0.0000</b>	<b>312.2815</b>	<b>312.2815</b>	<b>0.0721</b>	<b>0.0000</b>	<b>314.0828</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8800e-003	0.3427	0.1006	1.2000e-003	0.0313	3.9000e-004	0.0317	9.0300e-003	3.7000e-004	9.4000e-003	0.0000	116.5063	116.5063	6.4100e-003	0.0000	116.6666
Worker	0.0985	0.0673	0.7927	2.6200e-003	0.2931	2.0800e-003	0.2952	0.0779	1.9100e-003	0.0798	0.0000	236.9978	236.9978	5.5700e-003	0.0000	237.1371
<b>Total</b>	<b>0.1083</b>	<b>0.4099</b>	<b>0.8933</b>	<b>3.8200e-003</b>	<b>0.3244</b>	<b>2.4700e-003</b>	<b>0.3269</b>	<b>0.0869</b>	<b>2.2800e-003</b>	<b>0.0892</b>	<b>0.0000</b>	<b>353.5041</b>	<b>353.5041</b>	<b>0.0120</b>	<b>0.0000</b>	<b>353.8037</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3103	2.5484	3.6400e-003		5.4600e-003	5.4600e-003		5.4600e-003	5.4600e-003	0.0000	312.2812	312.2812	0.0721	0.0000	314.0824
<b>Total</b>	<b>0.0442</b>	<b>0.3103</b>	<b>2.5484</b>	<b>3.6400e-003</b>		<b>5.4600e-003</b>	<b>5.4600e-003</b>		<b>5.4600e-003</b>	<b>5.4600e-003</b>	<b>0.0000</b>	<b>312.2812</b>	<b>312.2812</b>	<b>0.0721</b>	<b>0.0000</b>	<b>314.0824</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8800e-003	0.3427	0.1006	1.2000e-003	0.0313	3.9000e-004	0.0317	9.0300e-003	3.7000e-004	9.4000e-003	0.0000	116.5063	116.5063	6.4100e-003	0.0000	116.6666
Worker	0.0985	0.0673	0.7927	2.6200e-003	0.2931	2.0800e-003	0.2952	0.0779	1.9100e-003	0.0798	0.0000	236.9978	236.9978	5.5700e-003	0.0000	237.1371
<b>Total</b>	<b>0.1083</b>	<b>0.4099</b>	<b>0.8933</b>	<b>3.8200e-003</b>	<b>0.3244</b>	<b>2.4700e-003</b>	<b>0.3269</b>	<b>0.0869</b>	<b>2.2800e-003</b>	<b>0.0892</b>	<b>0.0000</b>	<b>353.5041</b>	<b>353.5041</b>	<b>0.0120</b>	<b>0.0000</b>	<b>353.8037</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7748					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0180	0.1225	0.1702	2.8000e-004		6.6600e-003	6.6600e-003		6.6600e-003	6.6600e-003	0.0000	24.0006	24.0006	1.4400e-003	0.0000	24.0365
<b>Total</b>	<b>0.7928</b>	<b>0.1225</b>	<b>0.1702</b>	<b>2.8000e-004</b>		<b>6.6600e-003</b>	<b>6.6600e-003</b>		<b>6.6600e-003</b>	<b>6.6600e-003</b>	<b>0.0000</b>	<b>24.0006</b>	<b>24.0006</b>	<b>1.4400e-003</b>	<b>0.0000</b>	<b>24.0365</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0128	8.7500e-003	0.1032	3.4000e-004	0.0382	2.7000e-004	0.0384	0.0101	2.5000e-004	0.0104	0.0000	30.8511	30.8511	7.3000e-004	0.0000	30.8692
<b>Total</b>	<b>0.0128</b>	<b>8.7500e-003</b>	<b>0.1032</b>	<b>3.4000e-004</b>	<b>0.0382</b>	<b>2.7000e-004</b>	<b>0.0384</b>	<b>0.0101</b>	<b>2.5000e-004</b>	<b>0.0104</b>	<b>0.0000</b>	<b>30.8511</b>	<b>30.8511</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>30.8692</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7748					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7900e-003	0.0121	0.1723	2.8000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	24.0006	24.0006	1.4400e-003	0.0000	24.0365
<b>Total</b>	<b>0.7776</b>	<b>0.0121</b>	<b>0.1723</b>	<b>2.8000e-004</b>		<b>3.7000e-004</b>	<b>3.7000e-004</b>		<b>3.7000e-004</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>24.0006</b>	<b>24.0006</b>	<b>1.4400e-003</b>	<b>0.0000</b>	<b>24.0365</b>

**Mitigated Construction Off-Site**

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

Worker	0.0128	8.7500e-003	0.1032	3.4000e-004	0.0382	2.7000e-004	0.0384	0.0101	2.5000e-004	0.0104	0.0000	30.8511	30.8511	7.3000e-004	0.0000	30.8692
<b>Total</b>	<b>0.0128</b>	<b>8.7500e-003</b>	<b>0.1032</b>	<b>3.4000e-004</b>	<b>0.0382</b>	<b>2.7000e-004</b>	<b>0.0384</b>	<b>0.0101</b>	<b>2.5000e-004</b>	<b>0.0104</b>	<b>0.0000</b>	<b>30.8511</b>	<b>30.8511</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>30.8692</b>

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#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1649					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6200e-003	0.0244	0.0362	6.0000e-005		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	5.1065	5.1065	2.9000e-004	0.0000	5.1137
<b>Total</b>	<b>0.1685</b>	<b>0.0244</b>	<b>0.0362</b>	<b>6.0000e-005</b>		<b>1.2200e-003</b>	<b>1.2200e-003</b>		<b>1.2200e-003</b>	<b>1.2200e-003</b>	<b>0.0000</b>	<b>5.1065</b>	<b>5.1065</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>5.1137</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5800e-003	1.7000e-003	0.0205	7.0000e-005	8.1200e-003	6.0000e-005	8.1800e-003	2.1600e-003	5.0000e-005	2.2100e-003	0.0000	6.3480	6.3480	1.4000e-004	0.0000	6.3516
<b>Total</b>	<b>2.5800e-003</b>	<b>1.7000e-003</b>	<b>0.0205</b>	<b>7.0000e-005</b>	<b>8.1200e-003</b>	<b>6.0000e-005</b>	<b>8.1800e-003</b>	<b>2.1600e-003</b>	<b>5.0000e-005</b>	<b>2.2100e-003</b>	<b>0.0000</b>	<b>6.3480</b>	<b>6.3480</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>6.3516</b>



**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1649					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.9000e-004	2.5800e-003	0.0367	6.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	5.1065	5.1065	2.9000e-004	0.0000	5.1137
<b>Total</b>	<b>0.1654</b>	<b>2.5800e-003</b>	<b>0.0367</b>	<b>6.0000e-005</b>		<b>8.0000e-005</b>	<b>8.0000e-005</b>		<b>8.0000e-005</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>5.1065</b>	<b>5.1065</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>5.1137</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5800e-003	1.7000e-003	0.0205	7.0000e-005	8.1200e-003	6.0000e-005	8.1800e-003	2.1600e-003	5.0000e-005	2.2100e-003	0.0000	6.3480	6.3480	1.4000e-004	0.0000	6.3516
<b>Total</b>	<b>2.5800e-003</b>	<b>1.7000e-003</b>	<b>0.0205</b>	<b>7.0000e-005</b>	<b>8.1200e-003</b>	<b>6.0000e-005</b>	<b>8.1800e-003</b>	<b>2.1600e-003</b>	<b>5.0000e-005</b>	<b>2.2100e-003</b>	<b>0.0000</b>	<b>6.3480</b>	<b>6.3480</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>6.3516</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr									MT/yr						
Off-Road	0.0695	0.6802	0.9230	1.4100e-003		0.0343	0.0343		0.0316	0.0316	0.0000	122.5511	122.5511	0.0388	0.0000	123.5221
Paving	1.0100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0706</b>	<b>0.6802</b>	<b>0.9230</b>	<b>1.4100e-003</b>		<b>0.0343</b>	<b>0.0343</b>		<b>0.0316</b>	<b>0.0316</b>	<b>0.0000</b>	<b>122.5511</b>	<b>122.5511</b>	<b>0.0388</b>	<b>0.0000</b>	<b>123.5221</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1000e-004	0.0109	3.2000e-003	4.0000e-005	1.0000e-003	1.0000e-005	1.0100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	3.7083	3.7083	2.0000e-004	0.0000	3.7134
Worker	4.3700e-003	2.9800e-003	0.0352	1.2000e-004	0.0130	9.0000e-005	0.0131	3.4500e-003	8.0000e-005	3.5400e-003	0.0000	10.5114	10.5114	2.5000e-004	0.0000	10.5175
<b>Total</b>	<b>4.6800e-003</b>	<b>0.0139</b>	<b>0.0384</b>	<b>1.6000e-004</b>	<b>0.0140</b>	<b>1.0000e-004</b>	<b>0.0141</b>	<b>3.7400e-003</b>	<b>9.0000e-005</b>	<b>3.8400e-003</b>	<b>0.0000</b>	<b>14.2197</b>	<b>14.2197</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>14.2309</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0166	0.0720	1.0249	1.4100e-003		2.2200e-003	2.2200e-003		2.2200e-003	2.2200e-003	0.0000	122.5509	122.5509	0.0388	0.0000
Paving	1.0100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

<b>Total</b>	<b>0.0176</b>	<b>0.0720</b>	<b>1.0249</b>	<b>1.4100e-003</b>		<b>2.2200e-003</b>	<b>2.2200e-003</b>		<b>2.2200e-003</b>	<b>2.2200e-003</b>	<b>0.0000</b>	<b>122.5509</b>	<b>122.5509</b>	<b>0.0388</b>	<b>0.0000</b>	<b>123.5219</b>
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**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1000e-004	0.0109	3.2000e-003	4.0000e-005	1.0000e-003	1.0000e-005	1.0100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	3.7083	3.7083	2.0000e-004	0.0000	3.7134
Worker	4.3700e-003	2.9800e-003	0.0352	1.2000e-004	0.0130	9.0000e-005	0.0131	3.4500e-003	8.0000e-005	3.5400e-003	0.0000	10.5114	10.5114	2.5000e-004	0.0000	10.5175
<b>Total</b>	<b>4.6800e-003</b>	<b>0.0139</b>	<b>0.0384</b>	<b>1.6000e-004</b>	<b>0.0140</b>	<b>1.0000e-004</b>	<b>0.0141</b>	<b>3.7400e-003</b>	<b>9.0000e-005</b>	<b>3.8400e-003</b>	<b>0.0000</b>	<b>14.2197</b>	<b>14.2197</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>14.2309</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.2100e-003	0.0405	0.0585	9.0000e-005		1.9800e-003	1.9800e-003		1.8300e-003	1.8300e-003	0.0000	7.7574	7.7574	2.4600e-003	0.0000	7.8188
Paving	6.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>4.2700e-003</b>	<b>0.0405</b>	<b>0.0585</b>	<b>9.0000e-005</b>		<b>1.9800e-003</b>	<b>1.9800e-003</b>		<b>1.8300e-003</b>	<b>1.8300e-003</b>	<b>0.0000</b>	<b>7.7574</b>	<b>7.7574</b>	<b>2.4600e-003</b>	<b>0.0000</b>	<b>7.8188</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	6.9000e-004	2.0000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2339	0.2339	1.0000e-005	0.0000	0.2342
Worker	2.6000e-004	1.7000e-004	2.0800e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6434	0.6434	1.0000e-005	0.0000	0.6437
<b>Total</b>	<b>2.8000e-004</b>	<b>8.6000e-004</b>	<b>2.2800e-003</b>	<b>1.0000e-005</b>	<b>8.8000e-004</b>	<b>1.0000e-005</b>	<b>8.9000e-004</b>	<b>2.4000e-004</b>	<b>1.0000e-005</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>0.8773</b>	<b>0.8773</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.8779</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0500e-003	4.5600e-003	0.0649	9.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	7.7573	7.7573	2.4600e-003	0.0000	7.8188
Paving	6.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.1100e-003</b>	<b>4.5600e-003</b>	<b>0.0649</b>	<b>9.0000e-005</b>		<b>1.4000e-004</b>	<b>1.4000e-004</b>		<b>1.4000e-004</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>7.7573</b>	<b>7.7573</b>	<b>2.4600e-003</b>	<b>0.0000</b>	<b>7.8188</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	6.9000e-004	2.0000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2339	0.2339	1.0000e-005	0.0000	0.2342
Worker	2.6000e-004	1.7000e-004	2.0800e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6434	0.6434	1.0000e-005	0.0000	0.6437
<b>Total</b>	<b>2.8000e-004</b>	<b>8.6000e-004</b>	<b>2.2800e-003</b>	<b>1.0000e-005</b>	<b>8.8000e-004</b>	<b>1.0000e-005</b>	<b>8.9000e-004</b>	<b>2.4000e-004</b>	<b>1.0000e-005</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>0.8773</b>	<b>0.8773</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.8779</b>

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#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1712	0.0000	0.1712	0.0259	0.0000	0.0259	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0286	0.2263	0.2205	5.3000e-004		9.6900e-003	9.6900e-003		9.1500e-003	9.1500e-003	0.0000	49.3167	49.3167	7.7500e-003	0.0000	49.5104
<b>Total</b>	<b>0.0286</b>	<b>0.2263</b>	<b>0.2205</b>	<b>5.3000e-004</b>	<b>0.1712</b>	<b>9.6900e-003</b>	<b>0.1809</b>	<b>0.0259</b>	<b>9.1500e-003</b>	<b>0.0351</b>	<b>0.0000</b>	<b>49.3167</b>	<b>49.3167</b>	<b>7.7500e-003</b>	<b>0.0000</b>	<b>49.5104</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.3100e-003	0.3074	0.1002	1.4300e-003	0.0344	5.6000e-004	0.0350	9.4400e-003	5.4000e-004	9.9800e-003	0.0000	141.2125	141.2125	9.2000e-003	0.0000	141.4424
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Worker	6.8000e-004	4.5000e-004	5.4000e-003	2.0000e-005	2.1400e-003	1.0000e-005	2.1500e-003	5.7000e-004	1.0000e-005	5.8000e-004	0.0000	1.6728	1.6728	4.0000e-005	0.0000	1.6737
<b>Total</b>	<b>9.9900e-003</b>	<b>0.3079</b>	<b>0.1056</b>	<b>1.4500e-003</b>	<b>0.0365</b>	<b>5.7000e-004</b>	<b>0.0371</b>	<b>0.0100</b>	<b>5.5000e-004</b>	<b>0.0106</b>	<b>0.0000</b>	<b>142.8853</b>	<b>142.8853</b>	<b>9.2400e-003</b>	<b>0.0000</b>	<b>143.1161</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0445	0.0000	0.0445	6.7400e-003	0.0000	6.7400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0135	0.0616	0.2365	5.3000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003	0.0000	49.3167	49.3167	7.7500e-003	0.0000	49.5104
<b>Total</b>	<b>0.0135</b>	<b>0.0616</b>	<b>0.2365</b>	<b>5.3000e-004</b>	<b>0.0445</b>	<b>1.9700e-003</b>	<b>0.0465</b>	<b>6.7400e-003</b>	<b>1.9700e-003</b>	<b>8.7100e-003</b>	<b>0.0000</b>	<b>49.3167</b>	<b>49.3167</b>	<b>7.7500e-003</b>	<b>0.0000</b>	<b>49.5104</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.3100e-003	0.3074	0.1002	1.4300e-003	0.0344	5.6000e-004	0.0350	9.4400e-003	5.4000e-004	9.9800e-003	0.0000	141.2125	141.2125	9.2000e-003	0.0000	141.4424
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	4.5000e-004	5.4000e-003	2.0000e-005	2.1400e-003	1.0000e-005	2.1500e-003	5.7000e-004	1.0000e-005	5.8000e-004	0.0000	1.6728	1.6728	4.0000e-005	0.0000	1.6737
<b>Total</b>	<b>9.9900e-003</b>	<b>0.3079</b>	<b>0.1056</b>	<b>1.4500e-003</b>	<b>0.0365</b>	<b>5.7000e-004</b>	<b>0.0371</b>	<b>0.0100</b>	<b>5.5000e-004</b>	<b>0.0106</b>	<b>0.0000</b>	<b>142.8853</b>	<b>142.8853</b>	<b>9.2400e-003</b>	<b>0.0000</b>	<b>143.1161</b>

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.9000e-004	0.0000	7.9000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.9000e-003	0.0457	0.0530	1.1000e-004		2.0000e-003	2.0000e-003		1.8400e-003	1.8400e-003	0.0000	9.9988	9.9988	3.2300e-003	0.0000	10.0796
<b>Total</b>	<b>4.9000e-003</b>	<b>0.0457</b>	<b>0.0530</b>	<b>1.1000e-004</b>	<b>7.9000e-004</b>	<b>2.0000e-003</b>	<b>2.7900e-003</b>	<b>1.2000e-004</b>	<b>1.8400e-003</b>	<b>1.9600e-003</b>	<b>0.0000</b>	<b>9.9988</b>	<b>9.9988</b>	<b>3.2300e-003</b>	<b>0.0000</b>	<b>10.0796</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0700e-003	0.1345	0.0439	6.3000e-004	0.0150	2.5000e-004	0.0153	4.1300e-003	2.4000e-004	4.3600e-003	0.0000	61.7805	61.7805	4.0200e-003	0.0000	61.8810
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.1000e-004	2.5500e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.7892	0.7892	2.0000e-005	0.0000	0.7897
<b>Total</b>	<b>4.3900e-003</b>	<b>0.1347</b>	<b>0.0464</b>	<b>6.4000e-004</b>	<b>0.0161</b>	<b>2.6000e-004</b>	<b>0.0163</b>	<b>4.4000e-003</b>	<b>2.5000e-004</b>	<b>4.6300e-003</b>	<b>0.0000</b>	<b>62.5697</b>	<b>62.5697</b>	<b>4.0400e-003</b>	<b>0.0000</b>	<b>62.6707</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Fugitive Dust					2.1000e-004	0.0000	2.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4000e-003	6.0800e-003	0.0698	1.1000e-004		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	9.9988	9.9988	3.2300e-003	0.0000	10.0796
<b>Total</b>	<b>1.4000e-003</b>	<b>6.0800e-003</b>	<b>0.0698</b>	<b>1.1000e-004</b>	<b>2.1000e-004</b>	<b>1.9000e-004</b>	<b>4.0000e-004</b>	<b>3.0000e-005</b>	<b>1.9000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>9.9988</b>	<b>9.9988</b>	<b>3.2300e-003</b>	<b>0.0000</b>	<b>10.0796</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0700e-003	0.1345	0.0439	6.3000e-004	0.0150	2.5000e-004	0.0153	4.1300e-003	2.4000e-004	4.3600e-003	0.0000	61.7805	61.7805	4.0200e-003	0.0000	61.8810
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.1000e-004	2.5500e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.7892	0.7892	2.0000e-005	0.0000	0.7897
<b>Total</b>	<b>4.3900e-003</b>	<b>0.1347</b>	<b>0.0464</b>	<b>6.4000e-004</b>	<b>0.0161</b>	<b>2.6000e-004</b>	<b>0.0163</b>	<b>4.4000e-003</b>	<b>2.5000e-004</b>	<b>4.6300e-003</b>	<b>0.0000</b>	<b>62.5697</b>	<b>62.5697</b>	<b>4.0400e-003</b>	<b>0.0000</b>	<b>62.6707</b>

**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
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Category	tons/yr										MT/yr					
	0.2904	1.4037	3.7848	0.0149	1.2797	0.0106	1.2903	0.3429	9.8500e-003	0.3528	0.0000	1,376.5021	1,376.5021	0.0632	0.0000	1,378.0807
Mitigated	0.2904	1.4037	3.7848	0.0149	1.2797	0.0106	1.2903	0.3429	9.8500e-003	0.3528	0.0000	1,376.5021	1,376.5021	0.0632	0.0000	1,378.0807
Unmitigated	0.2904	1.4037	3.7848	0.0149	1.2797	0.0106	1.2903	0.3429	9.8500e-003	0.3528	0.0000	1,376.5021	1,376.5021	0.0632	0.0000	1,378.0807

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Congregate Care (Assisted Living)	594.58	477.40	529.48	1,942,788	1,942,788
Medical Office Building	505.82	125.44	21.70	991,684	991,684
Parking Lot	0.00	0.00	0.00		
Place of Worship	57.12	65.02	229.67	176,805	176,805
Place of Worship	82.90	94.37	333.33	256,607	256,607
Total	1,240.42	762.23	1,114.18	3,367,883	3,367,883

#### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Congregate Care (Assisted Living)	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11
Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11

#### 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Congregate Care (Assisted Living)	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Medical Office Building	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Parking Lot	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Place of Worship	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868

#### 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	382.7126	382.7126	0.0158	3.2700e-003	384.0818
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	382.7126	382.7126	0.0158	3.2700e-003	384.0818
NaturalGas Mitigated	0.0158	0.1363	0.0671	8.6000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	156.3000	156.3000	3.0000e-003	2.8700e-003	157.2288
NaturalGas Unmitigated	0.0158	0.1363	0.0671	8.6000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	156.3000	156.3000	3.0000e-003	2.8700e-003	157.2288

### 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					
Congregate Care (Assisted Living)	2.47976e+006	0.0134	0.1143	0.0486	7.3000e-004		9.2400e-003	9.2400e-003		9.2400e-003	9.2400e-003	0.0000	132.3294	132.3294	2.5400e-003	2.4300e-003	133.1157
Medical Office Building	127960	6.9000e-004	6.2700e-003	5.2700e-003	4.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	6.8284	6.8284	1.3000e-004	1.3000e-004	6.8690
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
Place of Worship	131043	7.1000e-004	6.4200e-003	5.4000e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9930	6.9930	1.3000e-004	1.3000e-004	7.0345

Place of Worship	190190	1.0300e-003	9.3200e-003	7.8300e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	10.1493	10.1493	1.9000e-004	1.9000e-004	10.2096
<b>Total</b>		<b>0.0158</b>	<b>0.1363</b>	<b>0.0671</b>	<b>8.7000e-004</b>		<b>0.0109</b>	<b>0.0109</b>		<b>0.0109</b>	<b>0.0109</b>	<b>0.0000</b>	<b>156.3000</b>	<b>156.3000</b>	<b>2.9900e-003</b>	<b>2.8800e-003</b>	<b>157.2288</b>

**Mitigated**

	Natural Gas 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					
Congregate Care (Assisted Living)	2.47976e+006	0.0134	0.1143	0.0486	7.3000e-004		9.2400e-003	9.2400e-003		9.2400e-003	9.2400e-003	0.0000	132.3294	132.3294	2.5400e-003	2.4300e-003	133.1157
Medical Office Building	127960	6.9000e-004	6.2700e-003	5.2700e-003	4.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	6.8284	6.8284	1.3000e-004	1.3000e-004	6.8690
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
Place of Worship	131043	7.1000e-004	6.4200e-003	5.4000e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9930	6.9930	1.3000e-004	1.3000e-004	7.0345
Place of Worship	190190	1.0300e-003	9.3200e-003	7.8300e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	10.1493	10.1493	1.9000e-004	1.9000e-004	10.2096
<b>Total</b>		<b>0.0158</b>	<b>0.1363</b>	<b>0.0671</b>	<b>8.7000e-004</b>		<b>0.0109</b>	<b>0.0109</b>		<b>0.0109</b>	<b>0.0109</b>	<b>0.0000</b>	<b>156.3000</b>	<b>156.3000</b>	<b>2.9900e-003</b>	<b>2.8800e-003</b>	<b>157.2288</b>

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Congregate Care (Assisted Living)	862640	274.8556	0.0114	2.3500e-003	275.8389
Medical Office Building	195860	62.4052	2.5800e-003	5.3000e-004	62.6285

Parking Lot	12775	4.0704	1.7000e-004	3.0000e-005	4.0850
Place of Worship	52981.5	16.8810	7.0000e-004	1.4000e-004	16.9414
Place of Worship	76895	24.5004	1.0100e-003	2.1000e-004	24.5881
<b>Total</b>		<b>382.7126</b>	<b>0.0158</b>	<b>3.2600e-003</b>	<b>384.0818</b>

## Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Congregate Care (Assisted Living)	862640	274.8556	0.0114	2.3500e-003	275.8389
Medical Office Building	195860	62.4052	2.5800e-003	5.3000e-004	62.6285
Parking Lot	12775	4.0704	1.7000e-004	3.0000e-005	4.0850
Place of Worship	52981.5	16.8810	7.0000e-004	1.4000e-004	16.9414
Place of Worship	76895	24.5004	1.0100e-003	2.1000e-004	24.5881
<b>Total</b>		<b>382.7126</b>	<b>0.0158</b>	<b>3.2600e-003</b>	<b>384.0818</b>

## 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	1.1922	0.0258	2.2399	1.2000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	3.6585	3.6585	3.5200e-003	0.0000	3.7466
Unmitigated	1.1922	0.0258	2.2399	1.2000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	3.6585	3.6585	3.5200e-003	0.0000	3.7466

## 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	0.0940					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0307					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0676	0.0258	2.2399	1.2000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	3.6585	3.6585	3.5200e-003	0.0000	3.7466
<b>Total</b>	<b>1.1922</b>	<b>0.0258</b>	<b>2.2399</b>	<b>1.2000e-004</b>		<b>0.0124</b>	<b>0.0124</b>		<b>0.0124</b>	<b>0.0124</b>	<b>0.0000</b>	<b>3.6585</b>	<b>3.6585</b>	<b>3.5200e-003</b>	<b>0.0000</b>	<b>3.7466</b>

### 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	0.0940				0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0307				0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0676	0.0258	2.2399	1.2000e-004	0.0124	0.0124		0.0124	0.0124	0.0000	3.6585	3.6585	3.5200e-003	0.0000	3.7466
<b>Total</b>	<b>1.1922</b>	<b>0.0258</b>	<b>2.2399</b>	<b>1.2000e-004</b>	<b>0.0124</b>	<b>0.0124</b>		<b>0.0124</b>	<b>0.0124</b>	<b>0.0000</b>	<b>3.6585</b>	<b>3.6585</b>	<b>3.5200e-003</b>	<b>0.0000</b>	<b>3.7466</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	108.5353	0.5379	0.0135	126.0001
Unmitigated	108.5353	0.5379	0.0135	126.0001

### 7.2 Water by Land Use

#### Unmitigated

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

Congregate Care (Assisted Living)	14.1384 / 8.91335	94.6948	0.4644	0.0117	109.7767
Medical Office Building	1.75673 / 0.334615	9.0301	0.0576	1.4200e-003	10.8943
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0.480911 / 0.752193	4.8104	0.0159	4.1000e-004	5.3291
<b>Total</b>		<b>108.5353</b>	<b>0.5379</b>	<b>0.0135</b>	<b>126.0001</b>

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Congregate Care (Assisted Living)	14.1384 / 8.91335	94.6948	0.4644	0.0117	109.7767
Medical Office Building	1.75673 / 0.334615	9.0301	0.0576	1.4200e-003	10.8943
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0.480911 / 0.752193	4.8104	0.0159	4.1000e-004	5.3291
<b>Total</b>		<b>108.5353</b>	<b>0.5379</b>	<b>0.0135</b>	<b>126.0001</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	88.6705	5.2403	0.0000	219.6774
Unmitigated	88.6705	5.2403	0.0000	219.6774

## 8.2 Waste by Land Use

### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Congregate Care (Assisted Living)	198.01	40.1942	2.3754	0.0000	99.5795
Medical Office Building	151.2	30.6922	1.8139	0.0000	76.0387
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	87.61	17.7840	1.0510	0.0000	44.0592
<b>Total</b>		<b>88.6705</b>	<b>5.2403</b>	<b>0.0000</b>	<b>219.6774</b>

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			



Congregate Care (Assisted Living)	198.01	40.1942	2.3754	0.0000	99.5795
Medical Office Building	151.2	30.6922	1.8139	0.0000	76.0387
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	87.61	17.7840	1.0510	0.0000	44.0592
<b>Total</b>		<b>88.6705</b>	<b>5.2403</b>	<b>0.0000</b>	<b>219.6774</b>

## 9.0 Operational Offroad

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

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### Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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## 11.0 Vegetation

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BCHD Phase 2 HRA - South Coast AQMD Air District, Annual

**BCHD Phase 2 HRA**  
**South Coast AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	50.00	1000sqft	1.15	50,000.00	0
Place of Worship	37.15	1000sqft	0.85	37,150.00	0
Enclosed Parking with Elevator	739.00	Space	6.65	295,600.00	0
Health Club	51.30	1000sqft	1.18	51,300.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	8			<b>Operational Year</b>	2032
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use -

Trips and VMT - BCHD

Demolition -

Grading -

Construction Off-road Equipment Mitigation - 2006WRAP fugitive dust

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	61	74
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	61	74
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	190.00
tblConstructionPhase	NumDays	20.00	190.00
tblConstructionPhase	NumDays	20.00	190.00
tblConstructionPhase	NumDays	230.00	466.00
tblConstructionPhase	NumDays	230.00	466.00
tblConstructionPhase	NumDays	230.00	598.00
tblConstructionPhase	NumDays	230.00	387.00
tblConstructionPhase	NumDays	20.00	72.00
tblConstructionPhase	NumDays	20.00	27.00
tblConstructionPhase	NumDays	20.00	165.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblGrading	MaterialExported	0.00	11,000.00
tblOffRoadEquipment	HorsePower	231.00	147.00
tblOffRoadEquipment	HorsePower	231.00	147.00
tblOffRoadEquipment	HorsePower	231.00	147.00
tblOffRoadEquipment	HorsePower	231.00	147.00
tblOffRoadEquipment	HorsePower	85.00	475.00
tblOffRoadEquipment	HorsePower	97.00	165.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
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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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tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	769.00	1,944.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

## 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					
2029	0.1292	1.1729	1.2480	4.2800e-003	0.1959	0.0351	0.2310	0.0413	0.0329	0.0742	0.0000	402.7459	402.7459	0.0534	0.0000	404.0808
2030	1.0542	4.6883	7.2484	0.0252	1.4015	0.0465	1.4480	0.3781	0.0459	0.4240	0.0000	2,315.1398	2,315.1398	0.0863	0.0000	2,317.2980
2031	2.2016	3.5366	5.8944	0.0184	0.9472	0.0519	0.9991	0.2552	0.0516	0.3068	0.0000	1,668.7523	1,668.7523	0.0622	0.0000	1,670.3073
<b>Maximum</b>	<b>2.2016</b>	<b>4.6883</b>	<b>7.2484</b>	<b>0.0252</b>	<b>1.4015</b>	<b>0.0519</b>	<b>1.4480</b>	<b>0.3781</b>	<b>0.0516</b>	<b>0.4240</b>	<b>0.0000</b>	<b>2,315.1398</b>	<b>2,315.1398</b>	<b>0.0863</b>	<b>0.0000</b>	<b>2,317.2980</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2029	0.0714	0.5687	1.4016	4.2800e-003	0.1259	7.0400e-003	0.1330	0.0311	6.9800e-003	0.0380	0.0000	402.7457	402.7457	0.0534	0.0000	404.0806
2030	0.7911	3.1567	7.2944	0.0252	1.4015	0.0186	1.4201	0.3781	0.0180	0.3961	0.0000	2,315.1390	2,315.1390	0.0863	0.0000	2,317.2972
2031	1.9487	2.0360	5.9661	0.0184	0.9472	0.0147	0.9618	0.2552	0.0143	0.2695	0.0000	1,668.7516	1,668.7516	0.0622	0.0000	1,670.3066
<b>Maximum</b>	<b>1.9487</b>	<b>3.1567</b>	<b>7.2944</b>	<b>0.0252</b>	<b>1.4015</b>	<b>0.0186</b>	<b>1.4201</b>	<b>0.3781</b>	<b>0.0180</b>	<b>0.3961</b>	<b>0.0000</b>	<b>2,315.1390</b>	<b>2,315.1390</b>	<b>0.0863</b>	<b>0.0000</b>	<b>2,317.2972</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>16.95</b>	<b>38.70</b>	<b>-1.88</b>	<b>0.00</b>	<b>2.75</b>	<b>69.82</b>	<b>6.09</b>	<b>1.52</b>	<b>69.86</b>	<b>12.58</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	9-1-2029	11-30-2029	2.1092	1.0973

2	12-1-2029	2-28-2030	0.6348	0.4084
3	3-1-2030	5-31-2030	1.4392	0.9615
4	6-1-2030	8-31-2030	1.4366	0.9589
5	9-1-2030	11-30-2030	1.7007	1.2008
6	12-1-2030	2-28-2031	2.1571	1.6148
7	3-1-2031	5-31-2031	2.1078	1.6023
8	6-1-2031	8-31-2031	1.2904	0.8623
9	9-1-2031	9-30-2031	0.2097	0.0941
		Highest	2.1571	1.6148

**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	0.5887	1.0000e-004	0.0111	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0218	0.0218	6.0000e-005	0.0000	0.0232
Energy	0.0124	0.1130	0.0949	6.8000e-004		8.5900e-003	8.5900e-003		8.5900e-003	8.5900e-003	0.0000	1,135.9711	1,135.9711	0.0442	0.0109	1,140.3261
Mobile	0.5231	3.2072	6.0490	0.0295	3.0071	0.0167	3.0238	0.8055	0.0155	0.8210	0.0000	2,751.6613	2,751.6613	0.1123	0.0000	2,754.4682
Waste						0.0000	0.0000		0.0000	0.0000	211.9550	0.0000	211.9550	12.5262	0.0000	525.1097
Water						0.0000	0.0000		0.0000	0.0000	3.3218	60.6883	64.0101	0.3437	8.5700e-003	75.1574
<b>Total</b>	<b>1.1243</b>	<b>3.3203</b>	<b>6.1551</b>	<b>0.0302</b>	<b>3.0071</b>	<b>0.0253</b>	<b>3.0324</b>	<b>0.8055</b>	<b>0.0241</b>	<b>0.8296</b>	<b>215.2768</b>	<b>3,948.3425</b>	<b>4,163.6194</b>	<b>13.0264</b>	<b>0.0195</b>	<b>4,495.0845</b>

**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	0.5887	1.0000e-004	0.0111	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0218	0.0218	6.0000e-005	0.0000	0.0232
Energy	0.0124	0.1130	0.0949	6.8000e-004		8.5900e-003	8.5900e-003		8.5900e-003	8.5900e-003	0.0000	1,135.9711	1,135.9711	0.0442	0.0109	1,140.3261
Mobile	0.5231	3.2072	6.0490	0.0295	3.0071	0.0167	3.0238	0.8055	0.0155	0.8210	0.0000	2,751.6613	2,751.6613	0.1123	0.0000	2,754.4682
Waste						0.0000	0.0000		0.0000	0.0000	211.9550	0.0000	211.9550	12.5262	0.0000	525.1097
Water						0.0000	0.0000		0.0000	0.0000	3.3218	60.6883	64.0101	0.3437	8.5700e-003	75.1574
<b>Total</b>	<b>1.1243</b>	<b>3.3203</b>	<b>6.1551</b>	<b>0.0302</b>	<b>3.0071</b>	<b>0.0253</b>	<b>3.0324</b>	<b>0.8055</b>	<b>0.0241</b>	<b>0.8296</b>	<b>215.2768</b>	<b>3,948.3425</b>	<b>4,163.6194</b>	<b>13.0264</b>	<b>0.0195</b>	<b>4,495.0845</b>

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	9	Demolition	9/2/2029	11/25/2029	6	72	Phase 2 Demo 512 parking structure and 510
2	10	Grading	9/25/2029	10/25/2029	6	27	Phase 2 Excavation utilities parking structure lev1
3	12	Building Construction	10/28/2029	4/24/2031	6	466	Phase 2 Building construction WP
4	14	Building Construction	1/28/2030	7/24/2031	6	466	Phase 2 Building construction AC CHE SOG
5	18	Building Construction	1/28/2030	12/25/2031	6	598	Phase 2 Garage construction
6	16	Building Construction	2/28/2030	5/24/2031	6	387	Phase 2 Building construction MOB
7	13	Architectural Coating	9/15/2030	4/24/2031	6	190	Phase 2 Finishes WP
8	15	Architectural Coating	12/15/2030	7/24/2031	6	190	Phase 2 Finishes AC CHF
9	17	Architectural Coating	1/15/2031	8/24/2031	6	190	Phase 2 Finishes MOB
10	11	Paving	6/19/2031	12/28/2031	6	165	Phase 2 Sitework exterior improv



Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 6.65

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 207,675; Non-Residential Outdoor: 69,225; Striped Parking Area:

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
9	Concrete/Industrial Saws	1	8.00	81	0.73
9	Crushing/Proc. Equipment	1	4.00	475	0.78
9	Rubber Tired Dozers	1	8.00	247	0.40
9	Tractors/Loaders/Backhoes	3	8.00	165	0.37
10	Excavators	1	4.00	158	0.38
10	Rubber Tired Loaders	1	6.00	203	0.36
10	Scrapers	1	6.00	367	0.48
12	Cranes	1	4.00	147	0.29
12	Forklifts	2	6.00	89	0.20
12	Tractors/Loaders/Backhoes	2	8.00	97	0.37
14	Cranes	1	4.00	147	0.29
14	Forklifts	2	6.00	89	0.20
14	Tractors/Loaders/Backhoes	2	8.00	97	0.37
18	Cranes	1	4.00	147	0.29
18	Forklifts	2	6.00	89	0.20
18	Tractors/Loaders/Backhoes	2	8.00	97	0.37
16	Cranes	1	4.00	147	0.29
16	Forklifts	2	6.00	89	0.20
16	Tractors/Loaders/Backhoes	2	8.00	97	0.37
13	Air Compressors	1	6.00	78	0.48
15	Air Compressors	1	6.00	78	0.48

17	Air Compressors	1	6.00	78	0.48
11	Cement and Mortar Mixers	1	8.00	9	0.56
11	Pavers	1	8.00	130	0.42
11	Paving Equipment	1	8.00	132	0.36
11	Rollers	2	8.00	80	0.38
11	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
9	6	15.00	0.00	1,944.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
10	3	8.00	0.00	1,375.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
12	5	177.00	71.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
14	5	177.00	71.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
18	5	177.00	71.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
16	5	177.00	71.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
13	1	35.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
15	1	35.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
17	1	35.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
11	6	15.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

### **3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

### **3.2 9 - 2029**

#### **Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0832	0.0000	0.0832	0.0126	0.0000	0.0126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0788	0.5679	0.7225	1.6800e-003		0.0241	0.0241		0.0227	0.0227	0.0000	156.5144	156.5144	0.0277	0.0000	157.2077
<b>Total</b>	<b>0.0788</b>	<b>0.5679</b>	<b>0.7225</b>	<b>1.6800e-003</b>	<b>0.0832</b>	<b>0.0241</b>	<b>0.1073</b>	<b>0.0126</b>	<b>0.0227</b>	<b>0.0353</b>	<b>0.0000</b>	<b>156.5144</b>	<b>156.5144</b>	<b>0.0277</b>	<b>0.0000</b>	<b>157.2077</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3700e-003	0.1385	0.0500	6.8000e-004	0.0167	2.5000e-004	0.0170	4.5900e-003	2.4000e-004	4.8300e-003	0.0000	67.0108	67.0108	4.3500e-003	0.0000	67.1196
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4600e-003	8.2000e-004	0.0108	4.0000e-005	5.9200e-003	3.0000e-005	5.9600e-003	1.5700e-003	3.0000e-005	1.6000e-003	0.0000	3.9219	3.9219	7.0000e-005	0.0000	3.9236
<b>Total</b>	<b>5.8300e-003</b>	<b>0.1393</b>	<b>0.0608</b>	<b>7.2000e-004</b>	<b>0.0226</b>	<b>2.8000e-004</b>	<b>0.0229</b>	<b>6.1600e-003</b>	<b>2.7000e-004</b>	<b>6.4300e-003</b>	<b>0.0000</b>	<b>70.9327</b>	<b>70.9327</b>	<b>4.4200e-003</b>	<b>0.0000</b>	<b>71.0432</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0216	0.0000	0.0216	3.2700e-003	0.0000	3.2700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	0.0390	0.1665	0.8320	1.6800e-003		5.2600e-003	5.2600e-003		5.2600e-003	5.2600e-003	0.0000	156.5142	156.5142	0.0277	0.0000	157.2076
<b>Total</b>	<b>0.0390</b>	<b>0.1665</b>	<b>0.8320</b>	<b>1.6800e-003</b>	<b>0.0216</b>	<b>5.2600e-003</b>	<b>0.0269</b>	<b>3.2700e-003</b>	<b>5.2600e-003</b>	<b>8.5300e-003</b>	<b>0.0000</b>	<b>156.5142</b>	<b>156.5142</b>	<b>0.0277</b>	<b>0.0000</b>	<b>157.2076</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3700e-003	0.1385	0.0500	6.8000e-004	0.0167	2.5000e-004	0.0170	4.5900e-003	2.4000e-004	4.8300e-003	0.0000	67.0108	67.0108	4.3500e-003	0.0000	67.1196
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4600e-003	8.2000e-004	0.0108	4.0000e-005	5.9200e-003	3.0000e-005	5.9600e-003	1.5700e-003	3.0000e-005	1.6000e-003	0.0000	3.9219	3.9219	7.0000e-005	0.0000	3.9236
<b>Total</b>	<b>5.8300e-003</b>	<b>0.1393</b>	<b>0.0608</b>	<b>7.2000e-004</b>	<b>0.0226</b>	<b>2.8000e-004</b>	<b>0.0229</b>	<b>6.1600e-003</b>	<b>2.7000e-004</b>	<b>6.4300e-003</b>	<b>0.0000</b>	<b>70.9327</b>	<b>70.9327</b>	<b>4.4200e-003</b>	<b>0.0000</b>	<b>71.0432</b>

**3.3 10 - 2029**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0114	0.0000	0.0114	1.2500e-003	0.0000	1.2500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0102	0.0916	0.0914	2.5000e-004		3.5800e-003	3.5800e-003		3.2900e-003	3.2900e-003	0.0000	22.1119	22.1119	7.1500e-003	0.0000	22.2907
<b>Total</b>	<b>0.0102</b>	<b>0.0916</b>	<b>0.0914</b>	<b>2.5000e-004</b>	<b>0.0114</b>	<b>3.5800e-003</b>	<b>0.0149</b>	<b>1.2500e-003</b>	<b>3.2900e-003</b>	<b>4.5400e-003</b>	<b>0.0000</b>	<b>22.1119</b>	<b>22.1119</b>	<b>7.1500e-003</b>	<b>0.0000</b>	<b>22.2907</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0900e-003	0.0980	0.0354	4.8000e-004	0.0118	1.8000e-004	0.0120	3.2400e-003	1.7000e-004	3.4200e-003	0.0000	47.3970	47.3970	3.0800e-003	0.0000	47.4740
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	1.6000e-004	2.1500e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.7844	0.7844	1.0000e-005	0.0000	0.7847
<b>Total</b>	<b>3.3800e-003</b>	<b>0.0981</b>	<b>0.0375</b>	<b>4.9000e-004</b>	<b>0.0130</b>	<b>1.9000e-004</b>	<b>0.0132</b>	<b>3.5500e-003</b>	<b>1.8000e-004</b>	<b>3.7400e-003</b>	<b>0.0000</b>	<b>48.1814</b>	<b>48.1814</b>	<b>3.0900e-003</b>	<b>0.0000</b>	<b>48.2587</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.9500e-003	0.0000	2.9500e-003	3.3000e-004	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1000e-003	0.0134	0.1244	2.5000e-004		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	22.1119	22.1119	7.1500e-003	0.0000	22.2907
<b>Total</b>	<b>3.1000e-003</b>	<b>0.0134</b>	<b>0.1244</b>	<b>2.5000e-004</b>	<b>2.9500e-003</b>	<b>4.1000e-004</b>	<b>3.3600e-003</b>	<b>3.3000e-004</b>	<b>4.1000e-004</b>	<b>7.4000e-004</b>	<b>0.0000</b>	<b>22.1119</b>	<b>22.1119</b>	<b>7.1500e-003</b>	<b>0.0000</b>	<b>22.2907</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	3.0900e-003	0.0980	0.0354	4.8000e-004	0.0118	1.8000e-004	0.0120	3.2400e-003	1.7000e-004	3.4200e-003	0.0000	47.3970	47.3970	3.0800e-003	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	1.6000e-004	2.1500e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.7844	0.7844	1.0000e-005	0.0000	0.7847
<b>Total</b>	<b>3.3800e-003</b>	<b>0.0981</b>	<b>0.0375</b>	<b>4.9000e-004</b>	<b>0.0130</b>	<b>1.9000e-004</b>	<b>0.0132</b>	<b>3.5500e-003</b>	<b>1.8000e-004</b>	<b>3.7400e-003</b>	<b>0.0000</b>	<b>48.1814</b>	<b>48.1814</b>	<b>3.0900e-003</b>	<b>0.0000</b>	<b>48.2587</b>

### 3.4 12 - 2029

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0143	0.1399	0.2039	2.9000e-004		6.5000e-003	6.5000e-003		5.9800e-003	5.9800e-003	0.0000	25.0631	25.0631	8.1100e-003	0.0000	25.2658
<b>Total</b>	<b>0.0143</b>	<b>0.1399</b>	<b>0.2039</b>	<b>2.9000e-004</b>		<b>6.5000e-003</b>	<b>6.5000e-003</b>		<b>5.9800e-003</b>	<b>5.9800e-003</b>	<b>0.0000</b>	<b>25.0631</b>	<b>25.0631</b>	<b>8.1100e-003</b>	<b>0.0000</b>	<b>25.2658</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.4400e-003	0.1288	0.0351	4.6000e-004	0.0123	1.4000e-004	0.0125	3.5500e-003	1.3000e-004	3.6800e-003	0.0000	44.5909	44.5909	2.2900e-003	0.0000	44.6482

Worker	0.0132	7.3800e-003	0.0969	3.9000e-004	0.0534	2.9000e-004	0.0537	0.0142	2.7000e-004	0.0145	0.0000	35.3515	35.3515	6.0000e-004	0.0000	35.3666
<b>Total</b>	<b>0.0166</b>	<b>0.1362</b>	<b>0.1320</b>	<b>8.5000e-004</b>	<b>0.0657</b>	<b>4.3000e-004</b>	<b>0.0661</b>	<b>0.0177</b>	<b>4.0000e-004</b>	<b>0.0181</b>	<b>0.0000</b>	<b>79.9424</b>	<b>79.9424</b>	<b>2.8900e-003</b>	<b>0.0000</b>	<b>80.0147</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.4900e-003	0.0151	0.2150	2.9000e-004		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	25.0631	25.0631	8.1100e-003	0.0000	25.2657
<b>Total</b>	<b>3.4900e-003</b>	<b>0.0151</b>	<b>0.2150</b>	<b>2.9000e-004</b>		<b>4.6000e-004</b>	<b>4.6000e-004</b>		<b>4.6000e-004</b>	<b>4.6000e-004</b>	<b>0.0000</b>	<b>25.0631</b>	<b>25.0631</b>	<b>8.1100e-003</b>	<b>0.0000</b>	<b>25.2657</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.4400e-003	0.1288	0.0351	4.6000e-004	0.0123	1.4000e-004	0.0125	3.5500e-003	1.3000e-004	3.6800e-003	0.0000	44.5909	44.5909	2.2900e-003	0.0000	44.6482
Worker	0.0132	7.3800e-003	0.0969	3.9000e-004	0.0534	2.9000e-004	0.0537	0.0142	2.7000e-004	0.0145	0.0000	35.3515	35.3515	6.0000e-004	0.0000	35.3666
<b>Total</b>	<b>0.0166</b>	<b>0.1362</b>	<b>0.1320</b>	<b>8.5000e-004</b>	<b>0.0657</b>	<b>4.3000e-004</b>	<b>0.0661</b>	<b>0.0177</b>	<b>4.0000e-004</b>	<b>0.0181</b>	<b>0.0000</b>	<b>79.9424</b>	<b>79.9424</b>	<b>2.8900e-003</b>	<b>0.0000</b>	<b>80.0147</b>

3.4 12 - 2030

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0896	0.4903	1.2115	1.9800e-003		9.9600e-003	9.9600e-003		9.9600e-003	9.9600e-003	0.0000	170.4708	170.4708	7.1600e-003	0.0000	170.6498
<b>Total</b>	<b>0.0896</b>	<b>0.4903</b>	<b>1.2115</b>	<b>1.9800e-003</b>		<b>9.9600e-003</b>	<b>9.9600e-003</b>		<b>9.9600e-003</b>	<b>9.9600e-003</b>	<b>0.0000</b>	<b>170.4708</b>	<b>170.4708</b>	<b>7.1600e-003</b>	<b>0.0000</b>	<b>170.6498</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0193	0.7276	0.1975	2.6000e-003	0.0700	7.8000e-004	0.0708	0.0202	7.4000e-004	0.0210	0.0000	252.9172	252.9172	0.0129	0.0000	253.2388
Worker	0.0702	0.0386	0.5184	2.1700e-003	0.3039	1.5300e-003	0.3054	0.0807	1.4100e-003	0.0821	0.0000	196.2400	196.2400	3.1400e-003	0.0000	196.3186
<b>Total</b>	<b>0.0895</b>	<b>0.7662</b>	<b>0.7159</b>	<b>4.7700e-003</b>	<b>0.3740</b>	<b>2.3100e-003</b>	<b>0.3763</b>	<b>0.1009</b>	<b>2.1500e-003</b>	<b>0.1031</b>	<b>0.0000</b>	<b>449.1572</b>	<b>449.1572</b>	<b>0.0160</b>	<b>0.0000</b>	<b>449.5574</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr									MT/yr						
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0198	0.0860	1.2234	1.9800e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	2.6500e-003	0.0000	170.4706	170.4706	7.1600e-003	0.0000	170.6495
<b>Total</b>	<b>0.0198</b>	<b>0.0860</b>	<b>1.2234</b>	<b>1.9800e-003</b>	<b>2.6500e-003</b>	<b>2.6500e-003</b>	<b>2.6500e-003</b>	<b>2.6500e-003</b>	<b>2.6500e-003</b>	<b>2.6500e-003</b>	<b>0.0000</b>	<b>170.4706</b>	<b>170.4706</b>	<b>7.1600e-003</b>	<b>0.0000</b>	<b>170.6495</b>

**Mitigated Construction Off-Site**

Category	tons/yr									MT/yr						
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0193	0.7276	0.1975	2.6000e-003	0.0700	7.8000e-004	0.0708	0.0202	7.4000e-004	0.0210	0.0000	252.9172	252.9172	0.0129	0.0000	253.2388
Worker	0.0702	0.0386	0.5184	2.1700e-003	0.3039	1.5300e-003	0.3054	0.0807	1.4100e-003	0.0821	0.0000	196.2400	196.2400	3.1400e-003	0.0000	196.3186
<b>Total</b>	<b>0.0895</b>	<b>0.7662</b>	<b>0.7159</b>	<b>4.7700e-003</b>	<b>0.3740</b>	<b>2.3100e-003</b>	<b>0.3763</b>	<b>0.1009</b>	<b>2.1500e-003</b>	<b>0.1031</b>	<b>0.0000</b>	<b>449.1572</b>	<b>449.1572</b>	<b>0.0160</b>	<b>0.0000</b>	<b>449.5574</b>

**3.4 12 - 2031**

**Unmitigated Construction On-Site**

Category	tons/yr									MT/yr						
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0281	0.1535	0.3793	6.2000e-004	3.1200e-003	3.1200e-003	3.1200e-003	3.1200e-003	3.1200e-003	3.1200e-003	0.0000	53.3742	53.3742	2.2400e-003	0.0000	53.4303
<b>Total</b>	<b>0.0281</b>	<b>0.1535</b>	<b>0.3793</b>	<b>6.2000e-004</b>	<b>3.1200e-003</b>	<b>3.1200e-003</b>	<b>3.1200e-003</b>	<b>3.1200e-003</b>	<b>3.1200e-003</b>	<b>3.1200e-003</b>	<b>0.0000</b>	<b>53.3742</b>	<b>53.3742</b>	<b>2.2400e-003</b>	<b>0.0000</b>	<b>53.4303</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0100e-003	0.2269	0.0617	8.1000e-004	0.0219	2.4000e-004	0.0222	6.3300e-003	2.3000e-004	6.5600e-003	0.0000	79.1116	79.1116	3.9900e-003	0.0000	79.2113
Worker	0.0204	0.0110	0.1526	6.6000e-004	0.0952	4.5000e-004	0.0956	0.0253	4.1000e-004	0.0257	0.0000	60.1723	60.1723	9.0000e-004	0.0000	60.1948
<b>Total</b>	<b>0.0264</b>	<b>0.2380</b>	<b>0.2143</b>	<b>1.4700e-003</b>	<b>0.1171</b>	<b>6.9000e-004</b>	<b>0.1178</b>	<b>0.0316</b>	<b>6.4000e-004</b>	<b>0.0322</b>	<b>0.0000</b>	<b>139.2838</b>	<b>139.2838</b>	<b>4.8900e-003</b>	<b>0.0000</b>	<b>139.4061</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.2100e-003	0.0269	0.3831	6.2000e-004		8.3000e-004	8.3000e-004		8.3000e-004	8.3000e-004	0.0000	53.3742	53.3742	2.2400e-003	0.0000	53.4302
<b>Total</b>	<b>6.2100e-003</b>	<b>0.0269</b>	<b>0.3831</b>	<b>6.2000e-004</b>		<b>8.3000e-004</b>	<b>8.3000e-004</b>		<b>8.3000e-004</b>	<b>8.3000e-004</b>	<b>0.0000</b>	<b>53.3742</b>	<b>53.3742</b>	<b>2.2400e-003</b>	<b>0.0000</b>	<b>53.4302</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0100e-003	0.2269	0.0617	8.1000e-004	0.0219	2.4000e-004	0.0222	6.3300e-003	2.3000e-004	6.5600e-003	0.0000	79.1116	79.1116	3.9900e-003	0.0000	79.2113
Worker	0.0204	0.0110	0.1526	6.6000e-004	0.0952	4.5000e-004	0.0956	0.0253	4.1000e-004	0.0257	0.0000	60.1723	60.1723	9.0000e-004	0.0000	60.1948
<b>Total</b>	<b>0.0264</b>	<b>0.2380</b>	<b>0.2143</b>	<b>1.4700e-003</b>	<b>0.1171</b>	<b>6.9000e-004</b>	<b>0.1178</b>	<b>0.0316</b>	<b>6.4000e-004</b>	<b>0.0322</b>	<b>0.0000</b>	<b>139.2838</b>	<b>139.2838</b>	<b>4.8900e-003</b>	<b>0.0000</b>	<b>139.4061</b>

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#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0831	0.4542	1.1225	1.8400e-003		9.2300e-003	9.2300e-003		9.2300e-003	9.2300e-003	0.0000	157.9442	157.9442	6.6300e-003	0.0000	158.1100
<b>Total</b>	<b>0.0831</b>	<b>0.4542</b>	<b>1.1225</b>	<b>1.8400e-003</b>		<b>9.2300e-003</b>	<b>9.2300e-003</b>		<b>9.2300e-003</b>	<b>9.2300e-003</b>	<b>0.0000</b>	<b>157.9442</b>	<b>157.9442</b>	<b>6.6300e-003</b>	<b>0.0000</b>	<b>158.1100</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0179	0.6741	0.1830	2.4100e-003	0.0649	7.2000e-004	0.0656	0.0187	6.9000e-004	0.0194	0.0000	234.3322	234.3322	0.0119	0.0000	234.6302
Worker	0.0651	0.0358	0.4803	2.0100e-003	0.2816	1.4200e-003	0.2830	0.0748	1.3000e-003	0.0761	0.0000	181.8198	181.8198	2.9100e-003	0.0000	181.8926
<b>Total</b>	<b>0.0829</b>	<b>0.7099</b>	<b>0.6633</b>	<b>4.4200e-003</b>	<b>0.3465</b>	<b>2.1400e-003</b>	<b>0.3486</b>	<b>0.0935</b>	<b>1.9900e-003</b>	<b>0.0955</b>	<b>0.0000</b>	<b>416.1520</b>	<b>416.1520</b>	<b>0.0148</b>	<b>0.0000</b>	<b>416.5228</b>

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Off-Road	0.0184	0.0797	1.1335	1.8400e-003		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	157.9440	157.9440	6.6300e-003	0.0000	158.1098
<b>Total</b>	<b>0.0184</b>	<b>0.0797</b>	<b>1.1335</b>	<b>1.8400e-003</b>		<b>2.4500e-003</b>	<b>2.4500e-003</b>		<b>2.4500e-003</b>	<b>2.4500e-003</b>	<b>0.0000</b>	<b>157.9440</b>	<b>157.9440</b>	<b>6.6300e-003</b>	<b>0.0000</b>	<b>158.1098</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0179	0.6741	0.1830	2.4100e-003	0.0649	7.2000e-004	0.0656	0.0187	6.9000e-004	0.0194	0.0000	234.3322	234.3322	0.0119	0.0000	234.6302

Worker	0.0651	0.0358	0.4803	2.0100e-003	0.2816	1.4200e-003	0.2830	0.0748	1.3000e-003	0.0761	0.0000	181.8198	181.8198	2.9100e-003	0.0000	181.8926
<b>Total</b>	<b>0.0829</b>	<b>0.7099</b>	<b>0.6633</b>	<b>4.4200e-003</b>	<b>0.3465</b>	<b>2.1400e-003</b>	<b>0.3486</b>	<b>0.0935</b>	<b>1.9900e-003</b>	<b>0.0955</b>	<b>0.0000</b>	<b>416.1520</b>	<b>416.1520</b>	<b>0.0148</b>	<b>0.0000</b>	<b>416.5228</b>

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#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0504	0.2757	0.6812	1.1200e-003		5.6000e-003	5.6000e-003		5.6000e-003	5.6000e-003	0.0000	95.8558	95.8558	4.0300e-003	0.0000	95.9564
<b>Total</b>	<b>0.0504</b>	<b>0.2757</b>	<b>0.6812</b>	<b>1.1200e-003</b>		<b>5.6000e-003</b>	<b>5.6000e-003</b>		<b>5.6000e-003</b>	<b>5.6000e-003</b>	<b>0.0000</b>	<b>95.8558</b>	<b>95.8558</b>	<b>4.0300e-003</b>	<b>0.0000</b>	<b>95.9564</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0108	0.4076	0.1108	1.4600e-003	0.0394	4.3000e-004	0.0398	0.0114	4.1000e-004	0.0118	0.0000	142.0780	142.0780	7.1600e-003	0.0000	142.2570
Worker	0.0366	0.0198	0.2740	1.1900e-003	0.1709	8.0000e-004	0.1717	0.0454	7.4000e-004	0.0461	0.0000	108.0645	108.0645	1.6200e-003	0.0000	108.1050
<b>Total</b>	<b>0.0474</b>	<b>0.4274</b>	<b>0.3848</b>	<b>2.6500e-003</b>	<b>0.2103</b>	<b>1.2300e-003</b>	<b>0.2115</b>	<b>0.0567</b>	<b>1.1500e-003</b>	<b>0.0579</b>	<b>0.0000</b>	<b>250.1424</b>	<b>250.1424</b>	<b>8.7800e-003</b>	<b>0.0000</b>	<b>250.3619</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0112	0.0483	0.6879	1.1200e-003		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003	0.0000	95.8557	95.8557	4.0300e-003	0.0000	95.9563
<b>Total</b>	<b>0.0112</b>	<b>0.0483</b>	<b>0.6879</b>	<b>1.1200e-003</b>		<b>1.4900e-003</b>	<b>1.4900e-003</b>		<b>1.4900e-003</b>	<b>1.4900e-003</b>	<b>0.0000</b>	<b>95.8557</b>	<b>95.8557</b>	<b>4.0300e-003</b>	<b>0.0000</b>	<b>95.9563</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0108	0.4076	0.1108	1.4600e-003	0.0394	4.3000e-004	0.0398	0.0114	4.1000e-004	0.0118	0.0000	142.0780	142.0780	7.1600e-003	0.0000	142.2570
Worker	0.0366	0.0198	0.2740	1.1900e-003	0.1709	8.0000e-004	0.1717	0.0454	7.4000e-004	0.0461	0.0000	108.0645	108.0645	1.6200e-003	0.0000	108.1050
<b>Total</b>	<b>0.0474</b>	<b>0.4274</b>	<b>0.3848</b>	<b>2.6500e-003</b>	<b>0.2103</b>	<b>1.2300e-003</b>	<b>0.2115</b>	<b>0.0567</b>	<b>1.1500e-003</b>	<b>0.0579</b>	<b>0.0000</b>	<b>250.1424</b>	<b>250.1424</b>	<b>8.7800e-003</b>	<b>0.0000</b>	<b>250.3619</b>

**3.6 18 - 2030**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr								MT/yr							
Off-Road	0.0831	0.4542	1.1225	1.8400e-003		9.2300e-003	9.2300e-003		9.2300e-003	9.2300e-003	0.0000	157.9442	157.9442	6.6300e-003	0.0000	158.1100
<b>Total</b>	<b>0.0831</b>	<b>0.4542</b>	<b>1.1225</b>	<b>1.8400e-003</b>		<b>9.2300e-003</b>	<b>9.2300e-003</b>		<b>9.2300e-003</b>	<b>9.2300e-003</b>	<b>0.0000</b>	<b>157.9442</b>	<b>157.9442</b>	<b>6.6300e-003</b>	<b>0.0000</b>	<b>158.1100</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0179	0.6741	0.1830	2.4100e-003	0.0649	7.2000e-004	0.0656	0.0187	6.9000e-004	0.0194	0.0000	234.3322	234.3322	0.0119	0.0000	234.6302
Worker	0.0651	0.0358	0.4803	2.0100e-003	0.2816	1.4200e-003	0.2830	0.0748	1.3000e-003	0.0761	0.0000	181.8198	181.8198	2.9100e-003	0.0000	181.8926
<b>Total</b>	<b>0.0829</b>	<b>0.7099</b>	<b>0.6633</b>	<b>4.4200e-003</b>	<b>0.3465</b>	<b>2.1400e-003</b>	<b>0.3486</b>	<b>0.0935</b>	<b>1.9900e-003</b>	<b>0.0955</b>	<b>0.0000</b>	<b>416.1520</b>	<b>416.1520</b>	<b>0.0148</b>	<b>0.0000</b>	<b>416.5228</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0184	0.0797	1.1335	1.8400e-003		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	157.9440	157.9440	6.6300e-003	0.0000	158.1098
<b>Total</b>	<b>0.0184</b>	<b>0.0797</b>	<b>1.1335</b>	<b>1.8400e-003</b>		<b>2.4500e-003</b>	<b>2.4500e-003</b>		<b>2.4500e-003</b>	<b>2.4500e-003</b>	<b>0.0000</b>	<b>157.9440</b>	<b>157.9440</b>	<b>6.6300e-003</b>	<b>0.0000</b>	<b>158.1098</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0179	0.6741	0.1830	2.4100e-003	0.0649	7.2000e-004	0.0656	0.0187	6.9000e-004	0.0194	0.0000	234.3322	234.3322	0.0119	0.0000	234.6302
Worker	0.0651	0.0358	0.4803	2.0100e-003	0.2816	1.4200e-003	0.2830	0.0748	1.3000e-003	0.0761	0.0000	181.8198	181.8198	2.9100e-003	0.0000	181.8926
<b>Total</b>	<b>0.0829</b>	<b>0.7099</b>	<b>0.6633</b>	<b>4.4200e-003</b>	<b>0.3465</b>	<b>2.1400e-003</b>	<b>0.3486</b>	<b>0.0935</b>	<b>1.9900e-003</b>	<b>0.0955</b>	<b>0.0000</b>	<b>416.1520</b>	<b>416.1520</b>	<b>0.0148</b>	<b>0.0000</b>	<b>416.5228</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0882	0.4824	1.1921	1.9500e-003		9.8000e-003	9.8000e-003		9.8000e-003	9.8000e-003	0.0000	167.7476	167.7476	7.0400e-003	0.0000	167.9237
<b>Total</b>	<b>0.0882</b>	<b>0.4824</b>	<b>1.1921</b>	<b>1.9500e-003</b>		<b>9.8000e-003</b>	<b>9.8000e-003</b>		<b>9.8000e-003</b>	<b>9.8000e-003</b>	<b>0.0000</b>	<b>167.7476</b>	<b>167.7476</b>	<b>7.0400e-003</b>	<b>0.0000</b>	<b>167.9237</b>

**Unmitigated Construction Off-Site**



	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0189	0.7132	0.1939	2.5500e-003	0.0689	7.5000e-004	0.0697	0.0199	7.2000e-004	0.0206	0.0000	248.6364	248.6364	0.0125	0.0000	248.9497
Worker	0.0640	0.0347	0.4795	2.0900e-003	0.2991	1.4100e-003	0.3005	0.0794	1.2900e-003	0.0807	0.0000	189.1128	189.1128	2.8300e-003	0.0000	189.1837
<b>Total</b>	<b>0.0829</b>	<b>0.7479</b>	<b>0.6734</b>	<b>4.6400e-003</b>	<b>0.3680</b>	<b>2.1600e-003</b>	<b>0.3701</b>	<b>0.0993</b>	<b>2.0100e-003</b>	<b>0.1013</b>	<b>0.0000</b>	<b>437.7492</b>	<b>437.7492</b>	<b>0.0154</b>	<b>0.0000</b>	<b>438.1333</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0195	0.0846	1.2039	1.9500e-003		2.6000e-003	2.6000e-003		2.6000e-003	2.6000e-003	0.0000	167.7474	167.7474	7.0400e-003	0.0000	167.9235
<b>Total</b>	<b>0.0195</b>	<b>0.0846</b>	<b>1.2039</b>	<b>1.9500e-003</b>		<b>2.6000e-003</b>	<b>2.6000e-003</b>		<b>2.6000e-003</b>	<b>2.6000e-003</b>	<b>0.0000</b>	<b>167.7474</b>	<b>167.7474</b>	<b>7.0400e-003</b>	<b>0.0000</b>	<b>167.9235</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0189	0.7132	0.1939	2.5500e-003	0.0689	7.5000e-004	0.0697	0.0199	7.2000e-004	0.0206	0.0000	248.6364	248.6364	0.0125	0.0000	248.9497
Worker	0.0640	0.0347	0.4795	2.0900e-003	0.2991	1.4100e-003	0.3005	0.0794	1.2900e-003	0.0807	0.0000	189.1128	189.1128	2.8300e-003	0.0000	189.1837
<b>Total</b>	<b>0.0829</b>	<b>0.7479</b>	<b>0.6734</b>	<b>4.6400e-003</b>	<b>0.3680</b>	<b>2.1600e-003</b>	<b>0.3701</b>	<b>0.0993</b>	<b>2.0100e-003</b>	<b>0.1013</b>	<b>0.0000</b>	<b>437.7492</b>	<b>437.7492</b>	<b>0.0154</b>	<b>0.0000</b>	<b>438.1333</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0753	0.4119	1.0180	1.6700e-003		8.3700e-003	8.3700e-003		8.3700e-003	8.3700e-003	0.0000	143.2390	143.2390	6.0200e-003	0.0000	143.3894
<b>Total</b>	<b>0.0753</b>	<b>0.4119</b>	<b>1.0180</b>	<b>1.6700e-003</b>		<b>8.3700e-003</b>	<b>8.3700e-003</b>		<b>8.3700e-003</b>	<b>8.3700e-003</b>	<b>0.0000</b>	<b>143.2390</b>	<b>143.2390</b>	<b>6.0200e-003</b>	<b>0.0000</b>	<b>143.3894</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0162	0.6114	0.1660	2.1800e-003	0.0589	6.5000e-004	0.0595	0.0170	6.2000e-004	0.0176	0.0000	212.5151	212.5151	0.0108	0.0000	212.7854

Worker	0.0590	0.0324	0.4356	1.8200e-003	0.2554	1.2800e-003	0.2567	0.0678	1.1800e-003	0.0690	0.0000	164.8917	164.8917	2.6400e-003	0.0000	164.9578
<b>Total</b>	<b>0.0752</b>	<b>0.6438</b>	<b>0.6016</b>	<b>4.0000e-003</b>	<b>0.3142</b>	<b>1.9300e-003</b>	<b>0.3162</b>	<b>0.0848</b>	<b>1.8000e-003</b>	<b>0.0866</b>	<b>0.0000</b>	<b>377.4068</b>	<b>377.4068</b>	<b>0.0135</b>	<b>0.0000</b>	<b>377.7431</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0167	0.0722	1.0280	1.6700e-003		2.2200e-003	2.2200e-003		2.2200e-003	2.2200e-003	0.0000	143.2388	143.2388	6.0200e-003	0.0000	143.3892
<b>Total</b>	<b>0.0167</b>	<b>0.0722</b>	<b>1.0280</b>	<b>1.6700e-003</b>		<b>2.2200e-003</b>	<b>2.2200e-003</b>		<b>2.2200e-003</b>	<b>2.2200e-003</b>	<b>0.0000</b>	<b>143.2388</b>	<b>143.2388</b>	<b>6.0200e-003</b>	<b>0.0000</b>	<b>143.3892</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0162	0.6114	0.1660	2.1800e-003	0.0589	6.5000e-004	0.0595	0.0170	6.2000e-004	0.0176	0.0000	212.5151	212.5151	0.0108	0.0000	212.7854
Worker	0.0590	0.0324	0.4356	1.8200e-003	0.2554	1.2800e-003	0.2567	0.0678	1.1800e-003	0.0690	0.0000	164.8917	164.8917	2.6400e-003	0.0000	164.9578
<b>Total</b>	<b>0.0752</b>	<b>0.6438</b>	<b>0.6016</b>	<b>4.0000e-003</b>	<b>0.3142</b>	<b>1.9300e-003</b>	<b>0.3162</b>	<b>0.0848</b>	<b>1.8000e-003</b>	<b>0.0866</b>	<b>0.0000</b>	<b>377.4068</b>	<b>377.4068</b>	<b>0.0135</b>	<b>0.0000</b>	<b>377.7431</b>

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0355	0.1942	0.4800	7.9000e-004		3.9500e-003	3.9500e-003		3.9500e-003	3.9500e-003	0.0000	67.5347	67.5347	2.8400e-003	0.0000	67.6057
<b>Total</b>	<b>0.0355</b>	<b>0.1942</b>	<b>0.4800</b>	<b>7.9000e-004</b>		<b>3.9500e-003</b>	<b>3.9500e-003</b>		<b>3.9500e-003</b>	<b>3.9500e-003</b>	<b>0.0000</b>	<b>67.5347</b>	<b>67.5347</b>	<b>2.8400e-003</b>	<b>0.0000</b>	<b>67.6057</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.6100e-003	0.2871	0.0781	1.0300e-003	0.0278	3.0000e-004	0.0281	8.0100e-003	2.9000e-004	8.3000e-003	0.0000	100.1004	100.1004	5.0400e-003	0.0000	100.2265
Worker	0.0258	0.0140	0.1931	8.4000e-004	0.1204	5.7000e-004	0.1210	0.0320	5.2000e-004	0.0325	0.0000	76.1363	76.1363	1.1400e-003	0.0000	76.1649
<b>Total</b>	<b>0.0334</b>	<b>0.3011</b>	<b>0.2711</b>	<b>1.8700e-003</b>	<b>0.1482</b>	<b>8.7000e-004</b>	<b>0.1490</b>	<b>0.0400</b>	<b>8.1000e-004</b>	<b>0.0408</b>	<b>0.0000</b>	<b>176.2367</b>	<b>176.2367</b>	<b>6.1800e-003</b>	<b>0.0000</b>	<b>176.3913</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr									MT/yr						
Off-Road	7.8600e-003	0.0341	0.4847	7.9000e-004		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003	0.0000	67.5347	67.5347	2.8400e-003	0.0000	67.6056
<b>Total</b>	<b>7.8600e-003</b>	<b>0.0341</b>	<b>0.4847</b>	<b>7.9000e-004</b>		<b>1.0500e-003</b>	<b>1.0500e-003</b>		<b>1.0500e-003</b>	<b>1.0500e-003</b>	<b>0.0000</b>	<b>67.5347</b>	<b>67.5347</b>	<b>2.8400e-003</b>	<b>0.0000</b>	<b>67.6056</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.6100e-003	0.2871	0.0781	1.0300e-003	0.0278	3.0000e-004	0.0281	8.0100e-003	2.9000e-004	8.3000e-003	0.0000	100.1004	100.1004	5.0400e-003	0.0000	100.2265
Worker	0.0258	0.0140	0.1931	8.4000e-004	0.1204	5.7000e-004	0.1210	0.0320	5.2000e-004	0.0325	0.0000	76.1363	76.1363	1.1400e-003	0.0000	76.1649
<b>Total</b>	<b>0.0334</b>	<b>0.3011</b>	<b>0.2711</b>	<b>1.8700e-003</b>	<b>0.1482</b>	<b>8.7000e-004</b>	<b>0.1490</b>	<b>0.0400</b>	<b>8.1000e-004</b>	<b>0.0408</b>	<b>0.0000</b>	<b>176.2367</b>	<b>176.2367</b>	<b>6.1800e-003</b>	<b>0.0000</b>	<b>176.3913</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3306					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0100e-003	0.0394	0.0827	1.4000e-004		9.3000e-004	9.3000e-004		9.3000e-004	9.3000e-004	0.0000	11.7450	11.7450	4.8000e-004	0.0000	11.7569

<b>Total</b>	<b>0.3366</b>	<b>0.0394</b>	<b>0.0827</b>	<b>1.4000e-004</b>		<b>9.3000e-004</b>	<b>9.3000e-004</b>		<b>9.3000e-004</b>	<b>9.3000e-004</b>	<b>0.0000</b>	<b>11.7450</b>	<b>11.7450</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>11.7569</b>
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**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0800e-003	2.2400e-003	0.0301	1.3000e-004	0.0177	9.0000e-005	0.0178	4.6900e-003	8.0000e-005	4.7700e-003	0.0000	11.4058	11.4058	1.8000e-004	0.0000	11.4104
<b>Total</b>	<b>4.0800e-003</b>	<b>2.2400e-003</b>	<b>0.0301</b>	<b>1.3000e-004</b>	<b>0.0177</b>	<b>9.0000e-005</b>	<b>0.0178</b>	<b>4.6900e-003</b>	<b>8.0000e-005</b>	<b>4.7700e-003</b>	<b>0.0000</b>	<b>11.4058</b>	<b>11.4058</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>11.4104</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3306					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3700e-003	5.9200e-003	0.0843	1.4000e-004		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	11.7450	11.7450	4.8000e-004	0.0000	11.7568
<b>Total</b>	<b>0.3320</b>	<b>5.9200e-003</b>	<b>0.0843</b>	<b>1.4000e-004</b>		<b>1.8000e-004</b>	<b>1.8000e-004</b>		<b>1.8000e-004</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>11.7450</b>	<b>11.7450</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>11.7568</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0800e-003	2.2400e-003	0.0301	1.3000e-004	0.0177	9.0000e-005	0.0178	4.6900e-003	8.0000e-005	4.7700e-003	0.0000	11.4058	11.4058	1.8000e-004	0.0000	11.4104
<b>Total</b>	<b>4.0800e-003</b>	<b>2.2400e-003</b>	<b>0.0301</b>	<b>1.3000e-004</b>	<b>0.0177</b>	<b>9.0000e-005</b>	<b>0.0178</b>	<b>4.6900e-003</b>	<b>8.0000e-005</b>	<b>4.7700e-003</b>	<b>0.0000</b>	<b>11.4058</b>	<b>11.4058</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>11.4104</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3522					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4100e-003	0.0420	0.0881	1.5000e-004		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	12.5109	12.5109	5.1000e-004	0.0000	12.5236
<b>Total</b>	<b>0.3586</b>	<b>0.0420</b>	<b>0.0881</b>	<b>1.5000e-004</b>		<b>9.9000e-004</b>	<b>9.9000e-004</b>		<b>9.9000e-004</b>	<b>9.9000e-004</b>	<b>0.0000</b>	<b>12.5109</b>	<b>12.5109</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>12.5236</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0300e-003	2.1800e-003	0.0302	1.3000e-004	0.0188	9.0000e-005	0.0189	5.0000e-003	8.0000e-005	5.0800e-003	0.0000	11.8985	11.8985	1.8000e-004	0.0000	11.9029
<b>Total</b>	<b>4.0300e-003</b>	<b>2.1800e-003</b>	<b>0.0302</b>	<b>1.3000e-004</b>	<b>0.0188</b>	<b>9.0000e-005</b>	<b>0.0189</b>	<b>5.0000e-003</b>	<b>8.0000e-005</b>	<b>5.0800e-003</b>	<b>0.0000</b>	<b>11.8985</b>	<b>11.8985</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>11.9029</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3522					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4600e-003	6.3100e-003	0.0898	1.5000e-004		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	12.5109	12.5109	5.1000e-004	0.0000	12.5236
<b>Total</b>	<b>0.3537</b>	<b>6.3100e-003</b>	<b>0.0898</b>	<b>1.5000e-004</b>		<b>1.9000e-004</b>	<b>1.9000e-004</b>		<b>1.9000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>12.5109</b>	<b>12.5109</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>12.5236</b>

**Mitigated Construction Off-Site**

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



Worker	4.0300e-003	2.1800e-003	0.0302	1.3000e-004	0.0188	9.0000e-005	0.0189	5.0000e-003	8.0000e-005	5.0800e-003	0.0000	11.8985	11.8985	1.8000e-004	0.0000	11.9029
<b>Total</b>	<b>4.0300e-003</b>	<b>2.1800e-003</b>	<b>0.0302</b>	<b>1.3000e-004</b>	<b>0.0188</b>	<b>9.0000e-005</b>	<b>0.0189</b>	<b>5.0000e-003</b>	<b>8.0000e-005</b>	<b>5.0800e-003</b>	<b>0.0000</b>	<b>11.8985</b>	<b>11.8985</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>11.9029</b>

### 3.9 15 - 2030

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0503					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	5.9900e-003	0.0126	2.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.7873	1.7873	7.0000e-005	0.0000	1.7891
<b>Total</b>	<b>0.0512</b>	<b>5.9900e-003</b>	<b>0.0126</b>	<b>2.0000e-005</b>		<b>1.4000e-004</b>	<b>1.4000e-004</b>		<b>1.4000e-004</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>1.7873</b>	<b>1.7873</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.7891</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2000e-004	3.4000e-004	4.5800e-003	2.0000e-005	2.6900e-003	1.0000e-005	2.7000e-003	7.1000e-004	1.0000e-005	7.3000e-004	0.0000	1.7357	1.7357	3.0000e-005	0.0000	1.7364
<b>Total</b>	<b>6.2000e-004</b>	<b>3.4000e-004</b>	<b>4.5800e-003</b>	<b>2.0000e-005</b>	<b>2.6900e-003</b>	<b>1.0000e-005</b>	<b>2.7000e-003</b>	<b>7.1000e-004</b>	<b>1.0000e-005</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>1.7357</b>	<b>1.7357</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.7364</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0503					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1000e-004	9.0000e-004	0.0128	2.0000e-005		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	1.7873	1.7873	7.0000e-005	0.0000	1.7891
<b>Total</b>	<b>0.0505</b>	<b>9.0000e-004</b>	<b>0.0128</b>	<b>2.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.7873</b>	<b>1.7873</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.7891</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2000e-004	3.4000e-004	4.5800e-003	2.0000e-005	2.6900e-003	1.0000e-005	2.7000e-003	7.1000e-004	1.0000e-005	7.3000e-004	0.0000	1.7357	1.7357	3.0000e-005	0.0000	1.7364
<b>Total</b>	<b>6.2000e-004</b>	<b>3.4000e-004</b>	<b>4.5800e-003</b>	<b>2.0000e-005</b>	<b>2.6900e-003</b>	<b>1.0000e-005</b>	<b>2.7000e-003</b>	<b>7.1000e-004</b>	<b>1.0000e-005</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>1.7357</b>	<b>1.7357</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.7364</b>

**3.9 15 - 2031**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr									MT/yr						
Archit. Coating	0.6325					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	0.0115	0.0754	0.1582	2.6000e-004		1.7900e-003	1.7900e-003		1.7900e-003	1.7900e-003	0.0000	22.4686	22.4686	9.1000e-004	0.0000	22.4914
<b>Total</b>	<b>0.6440</b>	<b>0.0754</b>	<b>0.1582</b>	<b>2.6000e-004</b>		<b>1.7900e-003</b>	<b>1.7900e-003</b>		<b>1.7900e-003</b>	<b>1.7900e-003</b>	<b>0.0000</b>	<b>22.4686</b>	<b>22.4686</b>	<b>9.1000e-004</b>	<b>0.0000</b>	<b>22.4914</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2300e-003	3.9200e-003	0.0542	2.4000e-004	0.0338	1.6000e-004	0.0340	8.9700e-003	1.5000e-004	9.1200e-003	0.0000	21.3687	21.3687	3.2000e-004	0.0000	21.3767
<b>Total</b>	<b>7.2300e-003</b>	<b>3.9200e-003</b>	<b>0.0542</b>	<b>2.4000e-004</b>	<b>0.0338</b>	<b>1.6000e-004</b>	<b>0.0340</b>	<b>8.9700e-003</b>	<b>1.5000e-004</b>	<b>9.1200e-003</b>	<b>0.0000</b>	<b>21.3687</b>	<b>21.3687</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>21.3767</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6325					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6100e-003	0.0113	0.1613	2.6000e-004		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	22.4686	22.4686	9.1000e-004	0.0000	22.4913

<b>Total</b>	<b>0.6351</b>	<b>0.0113</b>	<b>0.1613</b>	<b>2.6000e-004</b>		<b>3.5000e-004</b>	<b>3.5000e-004</b>		<b>3.5000e-004</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>22.4686</b>	<b>22.4686</b>	<b>9.1000e-004</b>	<b>0.0000</b>	<b>22.4913</b>
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**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2300e-003	3.9200e-003	0.0542	2.4000e-004	0.0338	1.6000e-004	0.0340	8.9700e-003	1.5000e-004	9.1200e-003	0.0000	21.3687	21.3687	3.2000e-004	0.0000	21.3767
<b>Total</b>	<b>7.2300e-003</b>	<b>3.9200e-003</b>	<b>0.0542</b>	<b>2.4000e-004</b>	<b>0.0338</b>	<b>1.6000e-004</b>	<b>0.0340</b>	<b>8.9700e-003</b>	<b>1.5000e-004</b>	<b>9.1200e-003</b>	<b>0.0000</b>	<b>21.3687</b>	<b>21.3687</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>21.3767</b>

**3.10 17 - 2031**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6828					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0124	0.0814	0.1708	2.8000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	24.2559	24.2559	9.8000e-004	0.0000	24.2805
<b>Total</b>	<b>0.6952</b>	<b>0.0814</b>	<b>0.1708</b>	<b>2.8000e-004</b>		<b>1.9300e-003</b>	<b>1.9300e-003</b>		<b>1.9300e-003</b>	<b>1.9300e-003</b>	<b>0.0000</b>	<b>24.2559</b>	<b>24.2559</b>	<b>9.8000e-004</b>	<b>0.0000</b>	<b>24.2805</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.8000e-003	4.2300e-003	0.0585	2.5000e-004	0.0365	1.7000e-004	0.0367	9.6900e-003	1.6000e-004	9.8500e-003	0.0000	23.0685	23.0685	3.5000e-004	0.0000	23.0771
<b>Total</b>	<b>7.8000e-003</b>	<b>4.2300e-003</b>	<b>0.0585</b>	<b>2.5000e-004</b>	<b>0.0365</b>	<b>1.7000e-004</b>	<b>0.0367</b>	<b>9.6900e-003</b>	<b>1.6000e-004</b>	<b>9.8500e-003</b>	<b>0.0000</b>	<b>23.0685</b>	<b>23.0685</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>23.0771</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6828					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8200e-003	0.0122	0.1741	2.8000e-004		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	24.2559	24.2559	9.8000e-004	0.0000	24.2804
<b>Total</b>	<b>0.6856</b>	<b>0.0122</b>	<b>0.1741</b>	<b>2.8000e-004</b>		<b>3.8000e-004</b>	<b>3.8000e-004</b>		<b>3.8000e-004</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>24.2559</b>	<b>24.2559</b>	<b>9.8000e-004</b>	<b>0.0000</b>	<b>24.2804</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.8000e-003	4.2300e-003	0.0585	2.5000e-004	0.0365	1.7000e-004	0.0367	9.6900e-003	1.6000e-004	9.8500e-003	0.0000	23.0685	23.0685	3.5000e-004	0.0000	23.0771
<b>Total</b>	<b>7.8000e-003</b>	<b>4.2300e-003</b>	<b>0.0585</b>	<b>2.5000e-004</b>	<b>0.0365</b>	<b>1.7000e-004</b>	<b>0.0367</b>	<b>9.6900e-003</b>	<b>1.6000e-004</b>	<b>9.8500e-003</b>	<b>0.0000</b>	<b>23.0685</b>	<b>23.0685</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>23.0771</b>

**3.11 11 - 2031**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0894	0.4952	1.0337	1.7900e-003		0.0193	0.0193		0.0193	0.0193	0.0000	152.9190	152.9190	7.2700e-003	0.0000	153.1009
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0894</b>	<b>0.4952</b>	<b>1.0337</b>	<b>1.7900e-003</b>		<b>0.0193</b>	<b>0.0193</b>		<b>0.0193</b>	<b>0.0193</b>	<b>0.0000</b>	<b>152.9190</b>	<b>152.9190</b>	<b>7.2700e-003</b>	<b>0.0000</b>	<b>153.1009</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9000e-004	0.0108	2.9300e-003	4.0000e-005	1.0400e-003	1.0000e-005	1.0500e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	3.7521	3.7521	1.9000e-004	0.0000	3.7568

Worker	2.9000e-003	1.5700e-003	0.0218	9.0000e-005	0.0136	6.0000e-005	0.0136	3.6100e-003	6.0000e-005	3.6600e-003	0.0000	8.5856	8.5856	1.3000e-004	0.0000	8.5889
<b>Total</b>	<b>3.1900e-003</b>	<b>0.0123</b>	<b>0.0247</b>	<b>1.3000e-004</b>	<b>0.0146</b>	<b>7.0000e-005</b>	<b>0.0147</b>	<b>3.9100e-003</b>	<b>7.0000e-005</b>	<b>3.9700e-003</b>	<b>0.0000</b>	<b>12.3377</b>	<b>12.3377</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>12.3456</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0174	0.0752	1.0703	1.7900e-003		2.3100e-003	2.3100e-003		2.3100e-003	2.3100e-003	0.0000	152.9189	152.9189	7.2700e-003	0.0000	153.1007
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0174</b>	<b>0.0752</b>	<b>1.0703</b>	<b>1.7900e-003</b>		<b>2.3100e-003</b>	<b>2.3100e-003</b>		<b>2.3100e-003</b>	<b>2.3100e-003</b>	<b>0.0000</b>	<b>152.9189</b>	<b>152.9189</b>	<b>7.2700e-003</b>	<b>0.0000</b>	<b>153.1007</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9000e-004	0.0108	2.9300e-003	4.0000e-005	1.0400e-003	1.0000e-005	1.0500e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	3.7521	3.7521	1.9000e-004	0.0000	3.7568
Worker	2.9000e-003	1.5700e-003	0.0218	9.0000e-005	0.0136	6.0000e-005	0.0136	3.6100e-003	6.0000e-005	3.6600e-003	0.0000	8.5856	8.5856	1.3000e-004	0.0000	8.5889
<b>Total</b>	<b>3.1900e-003</b>	<b>0.0123</b>	<b>0.0247</b>	<b>1.3000e-004</b>	<b>0.0146</b>	<b>7.0000e-005</b>	<b>0.0147</b>	<b>3.9100e-003</b>	<b>7.0000e-005</b>	<b>3.9700e-003</b>	<b>0.0000</b>	<b>12.3377</b>	<b>12.3377</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>12.3456</b>

## 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	0.5231	3.2072	6.0490	0.0295	3.0071	0.0167	3.0238	0.8055	0.0155	0.8210	0.0000	2,751.6613	2,751.6613	0.1123	0.0000	2,754.4682
Unmitigated	0.5231	3.2072	6.0490	0.0295	3.0071	0.0167	3.0238	0.8055	0.0155	0.8210	0.0000	2,751.6613	2,751.6613	0.1123	0.0000	2,754.4682

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	1,689.31	1,070.63	1371.25	3,326,835	3,326,835
Medical Office Building	1,806.50	448.00	77.50	3,541,729	3,541,729
Place of Worship	338.44	385.25	1360.80	1,047,575	1,047,575
<b>Total</b>	<b>3,834.25</b>	<b>1,903.88</b>	<b>2,809.55</b>	<b>7,916,139</b>	<b>7,916,139</b>

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11



#### 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.552007	0.041271	0.206593	0.110862	0.012463	0.005739	0.022450	0.038563	0.002200	0.001479	0.004915	0.000717	0.000742
Health Club	0.552007	0.041271	0.206593	0.110862	0.012463	0.005739	0.022450	0.038563	0.002200	0.001479	0.004915	0.000717	0.000742
Medical Office Building	0.552007	0.041271	0.206593	0.110862	0.012463	0.005739	0.022450	0.038563	0.002200	0.001479	0.004915	0.000717	0.000742
Place of Worship	0.552007	0.041271	0.206593	0.110862	0.012463	0.005739	0.022450	0.038563	0.002200	0.001479	0.004915	0.000717	0.000742

#### 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	1,012.9353	1,012.9353	0.0418	8.6500e-003	1,016.5591
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,012.9353	1,012.9353	0.0418	8.6500e-003	1,016.5591
NaturalGas Mitigated	0.0124	0.1130	0.0949	6.8000e-004	8.5900e-003	8.5900e-003	8.5900e-003	8.5900e-003	8.5900e-003	8.5900e-003	0.0000	123.0359	123.0359	2.3600e-003	2.2600e-003	123.7670
NaturalGas Unmitigated	0.0124	0.1130	0.0949	6.8000e-004	8.5900e-003	8.5900e-003	8.5900e-003	8.5900e-003	8.5900e-003	8.5900e-003	0.0000	123.0359	123.0359	2.3600e-003	2.2600e-003	123.7670

#### 5.2 Energy by Land Use - NaturalGas

##### Unmitigated

	Natural Gas 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					
Enclosed Parking with Elevator	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
Health Club	1.07217e+006	5.7800e-003	0.0526	0.0442	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003	0.0000	57.2151	57.2151	1.1000e-003	1.0500e-003	57.5551
Medical Office Building	457000	2.4600e-003	0.0224	0.0188	1.3000e-004		1.7000e-003	1.7000e-003		1.7000e-003	1.7000e-003	0.0000	24.3873	24.3873	4.7000e-004	4.5000e-004	24.5322
Place of Worship	776435	4.1900e-003	0.0381	0.0320	2.3000e-004		2.8900e-003	2.8900e-003		2.8900e-003	2.8900e-003	0.0000	41.4335	41.4335	7.9000e-004	7.6000e-004	41.6798
<b>Total</b>		<b>0.0124</b>	<b>0.1130</b>	<b>0.0949</b>	<b>6.8000e-004</b>		<b>8.5800e-003</b>	<b>8.5800e-003</b>		<b>8.5800e-003</b>	<b>8.5800e-003</b>	<b>0.0000</b>	<b>123.0359</b>	<b>123.0359</b>	<b>2.3600e-003</b>	<b>2.2600e-003</b>	<b>123.7670</b>

**Mitigated**

	Natural Gas 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					
Enclosed Parking with Elevator	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
Health Club	1.07217e+006	5.7800e-003	0.0526	0.0442	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003	0.0000	57.2151	57.2151	1.1000e-003	1.0500e-003	57.5551
Medical Office Building	457000	2.4600e-003	0.0224	0.0188	1.3000e-004		1.7000e-003	1.7000e-003		1.7000e-003	1.7000e-003	0.0000	24.3873	24.3873	4.7000e-004	4.5000e-004	24.5322
Place of Worship	776435	4.1900e-003	0.0381	0.0320	2.3000e-004		2.8900e-003	2.8900e-003		2.8900e-003	2.8900e-003	0.0000	41.4335	41.4335	7.9000e-004	7.6000e-004	41.6798
<b>Total</b>		<b>0.0124</b>	<b>0.1130</b>	<b>0.0949</b>	<b>6.8000e-004</b>		<b>8.5800e-003</b>	<b>8.5800e-003</b>		<b>8.5800e-003</b>	<b>8.5800e-003</b>	<b>0.0000</b>	<b>123.0359</b>	<b>123.0359</b>	<b>2.3600e-003</b>	<b>2.2600e-003</b>	<b>123.7670</b>

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.73222e+006	551.9211	0.0228	4.7100e-003	553.8956
Health Club	433485	138.1176	5.7000e-003	1.1800e-003	138.6117
Medical Office Building	699500	222.8757	9.2000e-003	1.9000e-003	223.6730
Place of Worship	313918	100.0208	4.1300e-003	8.5000e-004	100.3787
<b>Total</b>		<b>1,012.9353</b>	<b>0.0418</b>	<b>8.6400e-003</b>	<b>1,016.5591</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.73222e+006	551.9211	0.0228	4.7100e-003	553.8956
Health Club	433485	138.1176	5.7000e-003	1.1800e-003	138.6117
Medical Office Building	699500	222.8757	9.2000e-003	1.9000e-003	223.6730
Place of Worship	313918	100.0208	4.1300e-003	8.5000e-004	100.3787
<b>Total</b>		<b>1,012.9353</b>	<b>0.0418</b>	<b>8.6400e-003</b>	<b>1,016.5591</b>

**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	0.5887	1.0000e-004	0.0111	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0218	0.0218	6.0000e-005	0.0000	0.0232
Unmitigated	0.5887	1.0000e-004	0.0111	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0218	0.0218	6.0000e-005	0.0000	0.0232

## 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	0.0683					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5194					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0200e-003	1.0000e-004	0.0111	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0218	0.0218	6.0000e-005	0.0000	0.0232
<b>Total</b>	<b>0.5887</b>	<b>1.0000e-004</b>	<b>0.0111</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.0218</b>	<b>0.0218</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.0232</b>

### 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	0.0683					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5194					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0200e-003	1.0000e-004	0.0111	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0218	0.0218	6.0000e-005	0.0000	0.0232
<b>Total</b>	<b>0.5887</b>	<b>1.0000e-004</b>	<b>0.0111</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.0218</b>	<b>0.0218</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.0232</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	64.0101	0.3437	8.5700e-003	75.1574
Unmitigated	64.0101	0.3437	8.5700e-003	75.1574

### 7.2 Water by Land Use

#### Unmitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
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Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	3.03404 / 1.85957	20.1328	0.0997	2.5000e-003	23.3686
Medical Office Building	6.27403 / 1.19505	32.2503	0.2057	5.0900e-003	38.9081
Place of Worship	1.16238 / 1.81809	11.6270	0.0383	9.9000e-004	12.8807
<b>Total</b>		<b>64.0101</b>	<b>0.3437</b>	<b>8.5800e-003</b>	<b>75.1574</b>

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	3.03404 / 1.85957	20.1328	0.0997	2.5000e-003	23.3686
Medical Office Building	6.27403 / 1.19505	32.2503	0.2057	5.0900e-003	38.9081
Place of Worship	1.16238 / 1.81809	11.6270	0.0383	9.9000e-004	12.8807
<b>Total</b>		<b>64.0101</b>	<b>0.3437</b>	<b>8.5800e-003</b>	<b>75.1574</b>

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	211.9550	12.5262	0.0000	525.1097
Unmitigated	211.9550	12.5262	0.0000	525.1097

## 8.2 Waste by Land Use

### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	292.41	59.3566	3.5079	0.0000	147.0534
Medical Office Building	540	109.6151	6.4781	0.0000	271.5668
Place of Worship	211.75	42.9833	2.5402	0.0000	106.4894
<b>Total</b>		<b>211.9551</b>	<b>12.5262</b>	<b>0.0000</b>	<b>525.1097</b>

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
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Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	292.41	59.3566	3.5079	0.0000	147.0534
Medical Office Building	540	109.6151	6.4781	0.0000	271.5668
Place of Worship	211.75	42.9833	2.5402	0.0000	106.4894
<b>Total</b>		<b>211.9551</b>	<b>12.5262</b>	<b>0.0000</b>	<b>525.1097</b>

## 9.0 Operational Offroad

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

### Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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## 11.0 Vegetation



ATTACHMENT B  
Supporting Tables

**Table B.1****Receptor Grid**

	Distance (m)	Spacing (m)
Fenceline	along fenceline	25
Discrete	25-100	25
Discrete	100-500	50
Discrete	500-1000	100

Based on SCAQMD guidance last accessed 11/27/19 at: <http://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance#Receptor>.

**Table B.2****AERMOD Source Parameters and Emissions**

Source Type	Source ID	g/s	Description	Release Height (m)	Sigma z (m)	Hours of Operation	AERMOD Scalars	Comments and references
<b>Phase 1</b>								
poly-area	CON1R	0.0024379	construction equipment onsite - Phase 1, cancer risk unmitigated	5.00	1.16	7:30am-6pm	2.4 for hours 9-18, 0 for all other hours	Source height (5m) is from the SCAQMD Final Localized Significance Threshold Methodology. June 2003. Revised July 2008. Page 2-3. Sigma Z is calculated per EPA guidance.
poly-area	CON1RM	0.0001549	construction equipment onsite - Phase 1, cancer risk mitigated	5.00	1.16	7:30am-6pm	2.4 for hours 9-18, 0 for all other hours	
poly-area	CON1H	0.0040032	construction equipment onsite - Phase 1, noncancer chronic	5.00	1.16	7:30am-6pm	2.4 for hours 9-18, 0 for all other hours	
poly-area	CON1HM	0.0002316	construction equipment onsite - Phase 1, noncancer chronic mitigated	5.00	1.16	7:30am-6pm	2.4 for hours 9-18, 0 for all other hours	

Phase 2								
poly-area	CON2R	0.0011365	construction equipment onsite - Phase 2, cancer risk unmitigated	5.00	1.16	7:30am-6pm	2.4 for hours 9-18, 0 for all other hours	Source height (5m) is from the SCAQMD Final Localized Significance Threshold Methodology. June 2003. Revised July 2008. Page 2-3. Sigma Z is calculated per EPA guidance.
poly-area	CON2RM	0.0002427	construction equipment onsite - Phase 2, cancer risk mitigated	5.00	1.16	7:30am-6pm	2.4 for hours 9-18, 0 for all other hours	
poly-area	CON2H	0.0013371	construction equipment onsite - Phase 2, noncancer chronic	5.00	1.16	7:30am-6pm	2.4 for hours 9-18, 0 for all other hours	
poly-area	CON2HM	0.0002647	construction equipment onsite - Phase 2, noncancer chronic mitigated	5.00	1.16	7:30am-6pm	2.4 for hours 9-18, 0 for all other hours	

**Table B.3**

**Construction Emissions, On-Site DPM**

Phase	Year	Unmitigated				Mitigated			
		(ton/yr)	(lb/day)	(lb/hr)	(g/s)	(ton/yr)	(lb/day)	(lb/hr)	(g/s)
Phase 1	2022	0.1002	0.5490	0.0229	0.002882	0.0057	0.0313	0.0013	0.000165
	2023	0.1392	0.7625	0.0318	0.004003	0.0081	0.0441	0.0018	0.000232
	2024	0.0149	0.0816	0.0034	0.000428	0.0024	0.0130	0.0005	0.000068
	Annual Average	0.0847	0.4644	0.0193	0.002438	0.0054	0.0295	0.0012	0.000155
	Annual Maximum	0.1392	0.7625	0.0318	0.004003	0.0081	0.0441	0.0018	0.000232
Phase 2	2029	0.0342	0.1873	0.0078	0.000983	0.0061	0.0336	0.0014	0.000176
	2030	0.0379	0.2075	0.0086	0.001089	0.0100	0.0547	0.0023	0.000287
	2031	0.0465	0.2547	0.0106	0.001337	0.0092	0.0504	0.0021	0.000265
	Annual Average	0.0395	0.2165	0.0090	0.001136	0.0084	0.0462	0.0019	0.000243
	Annual Maximum	0.0465	0.2547	0.0106	0.001337	0.0100	0.0547	0.0023	0.000287

Notes:

Emissions were calculated in CalEEMod and reflect on-site emissions.

Annual average emissions, converted to grams per second, at 8760 hours per year, were used directly in dispersion modeling (in cancer evaluation).

Maximum annual emissions, converted to grams per second, at 8760 hours per year, were used directly in dispersion modeling (in non-cancer chronic evaluation).

Mitigation: Tier 4F engines on all construction equipment, except crushing equipment.

**Table B.4**

Phase 1 Unmitigated				
AERMOD				
Average Annual Emission rate (g/s)	Average Annual Concentration (ug/m3)	Maximum Annual Emission rate (g/s)	Maximum Annual Concentration (ug/m3)	UTM E/N (m)
0.00243792	0.24982	0.004003	0.41021	372,520.3/3,746,817.5 PMI (point of max impact) occurs at east boundary
	0.21732		0.35686	372,534.83/3,746,836.7 MEIR (max exposed individual resident) - occurs at house, east of property, just north of Towers St
	0.06501			372,628.1/3,746,872.6 Towers Elementary School
	0.00083			372,022.0/3,746,629.9 Beryl Heights Elementary School
	0.16939		0.27815	372,430.12/3,746,742.09 Assisted Living onsite (Silverado), Child Care Center
HARP2 RAST				
Average Annual Concentration (ug/m3)	Cancer Risk	Maximum Annual Concentration (ug/m3)	Hlc	Location/Scenario
0.2498	9.26E-05	0.41021	8.20E-02	MICR at PMI (start - 3rd trimester, duration - 3 years)
0.2173	8.05E-05	0.35686	7.14E-02	MICR at MEIR (start - 3rd trimester, duration - 3 years)
0.1694	1.30E-06	0.27815	5.56E-02	MICR at Assisted Living onsite (start - 60, duration - 3 years)
0.1694	6.05E-05	0.27815	5.56E-02	MICR at Child Care Center onsite (start - 0, duration - 3 years)
Threshold	1.00E-05		1	
Phase 2 Unmitigated				

<b>AERMOD</b>					
Average Annual Emission rate (g/s)	Average Annual Concentration (ug/m3)	Maximum Annual Emission rate (g/s)	Maximum Annual Concentration (ug/m3)	UTM	
0.0011365	0.13302	0.001337	0.1565	372,528.1/3,746,726.2	PMI (point of max impact) concentration occurs at east boundary.
	0.09413		0.11075	372,546.01/3,746,705.81	MEIR (max exposed individual resident) - occurs at house to east of property, just south of Towers St.
	0.01072			372,628.1/3,746,872.6	Towers Elementary School
	0.00048			372,022.0/3,746,629.9	Beryl Heights Elementary School
	0.01757		0.02067	372,390.3/3,746,807.4	Assisted Living onsite, Child Care Center
<b>HARP2 RAST</b>					
Average Annual Concentration (ug/m3)	Cancer Risk	Maximum Annual Concentration (ug/m3)	Hlc	Location/Scenario	
0.13302	1.14E-05	0.1565	3.13E-02	MICR at PMI (start - 3rd year, duration - 3 years)	
0.09413	8.06E-06	0.11075	2.22E-02	MICR at MEIR (start - 3rd year, duration - 3 years)	
0.01757	1.35E-07	0.02067	4.13E-03	MICR at Assisted Living onsite (start - 60, duration - 3 years)	
0.01757	6.27E-06	0.02067	4.13E-03	MICR at Child Care Center onsite (start - 0, duration - 3 years)	
Threshold	1.00E-05		1		
<b>Total Construction Unmitigated Health Risk</b>					
	Cancer Risk	Hlc	Location/Scenario		
	1.04E-04	8.20E-02	MICR at PMI		
	8.86E-05	7.14E-02	MICR at MEIR		
	1.44E-06	5.56E-02	MICR at Assisted Living onsite		
	6.68E-05	5.56E-02	MICR at Child Care onsite		
Threshold	1.00E-05	1			
<b>Phase 1 Mitigated</b>					
<b>AERMOD</b>					
Average Annual Emission rate (g/s)	Average Annual Concentration (ug/m3)	Maximum Annual Emission rate (g/s)	Maximum Annual Concentration (ug/m3)	UTM E/N (m)	
0.00015486	0.01587	0.000232	0.02373	372,520.3/3,746,817.5	PMI (point of max impact) occurs at east boundary
	0.01381		0.02064	372,534.83/3,746,836.7	MEIR (max exposed individual resident) - occurs at house, east of property, just north of Towers St
	0.00413			372,628.1/3,746,872.6	Towers Elementary School
	0.00005			372,022.0/3,746,629.9	Beryl Heights Elementary School
	0.01076		0.01609	372430.12/3746742.09	Assisted Living onsite (Silverado), Child Care Center
<b>HARP2 RAST</b>					

Average Annual Concentration (ug/m3)	Cancer Risk	Significant?	Annual Concentration Hlc	Significant?	Location/Scenario
0.0159	5.88E-06	No	2.37E-02	0.004746 No	MICR at PMI (start - 3rd trimester, duration - 3 years)
0.0138	5.11E-06	No	2.06E-02	0.004128 No	MICR at MEIR (start - 3rd trimester, duration - 3 years)
0.0108	8.27E-08	No	1.61E-02	0.003218 No	MICR at Assisted Living onsite (start - 60, duration - 3 years)
0.0108	3.86E-06	No	1.61E-02	0.003218 No	MICR at Child Care onsite (start - 0, duration - 3 years)
Threshold	1.00E-05			1	
<b>Phase 2 Mitigated</b>					
<b>AERMOD</b>					
Average Annual Emission rate (g/s)	Average Annual Concentration (ug/m3)	Maximum Annual Emission rate (g/s)	Maximum Annual Concentration (ug/m3)	UTM	
0.0002427	0.02841	0.000287	0.03098	372,528.1/3,746,726.2	PMI (point of max impact) concentration occurs at east boundary.
	0.02010		0.02192	372,546.01/3,746,705.81	MEIR (max exposed individual resident) - occurs at house to east of property, just south of Towers St.
	0.00229			372,628.1/3,746,872.6	Towers Elementary School
	0.00010			372,022.0/3,746,629.9	Beryl Heights Elementary School
	0.00375			0.00409	372390.3/3746807.4
<b>HARP2 RAST</b>					
Average Annual Concentration (ug/m3)	Cancer Risk	Maximum Annual Concentration (ug/m3)	Hlc	Location/Scenario	
0.02841	2.43E-06	0.03098	6.20E-03	MICR at PMI (start - 3rd year, duration - 3 years)	
0.02010	1.72E-06	0.02192	4.38E-03	MICR at MEIR (start - 3rd year, duration - 3 years)	
0.00375	2.88E-08	0.00409	8.18E-04	MICR at Assisted Living onsite (start - 60, duration - 3 years)	
0.00375	1.34E-06	0.00409	8.18E-04	MICR at Child care onsite (start - 0, duration - 3 years)	
Threshold	1.00E-05		1		
<b>Total Construction Mitigated Health Risk</b>					
Threshold	Cancer Risk	Hlc	Location/Scenario		
	8.31E-06	6.20E-03	MICR at PMI		
	6.83E-06	4.38E-03	MICR at MEIR		
	1.12E-07	3.22E-03	MICR at Assisted Living onsite		
	5.19E-06	3.22E-03	MICR at Child Care onsite		
Threshold	1.00E-05	1			

BCHD Operational Baseline 2019 - South Coast AQMD Air District, Annual

**BCHD Operational Baseline 2019**  
**South Coast AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	15.81	1000sqft	0.36	15,810.00	0
Medical Office Building	42.10	1000sqft	0.97	42,100.00	0
Day-Care Center	9.72	1000sqft	0.22	9,720.00	0
Junior College (2Yr)	1.52	1000sqft	0.03	1,520.00	0
Health Club	12.29	1000sqft	0.28	12,290.00	0
Congregate Care (Assisted Living)	42.00	Dwelling Unit	2.63	42,000.00	120
Medical Office Building	52.00	1000sqft	1.19	52,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	8			<b>Operational Year</b>	2019
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Operational baseline only. No construction.

Land Use -

Construction Phase - No construction.

Off-road Equipment - No construction.

Trips and VMT - No construction.

Woodstoves - No woodstoves or hearths.

Energy Use -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	1/26/2018	12/31/2017
tblFireplaces	NumberGas	35.70	0.00
tblFireplaces	NumberNoFireplace	4.20	0.00
tblFireplaces	NumberWood	2.10	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblWoodstoves	NumberCatalytic	2.10	0.00
tblWoodstoves	NumberNoncatalytic	2.10	0.00

## 2.0 Emissions Summary

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

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

## 2.2 Overall Operational

### Unmitigated Operational



	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.7224	5.0600e-003	0.4370	2.0000e-005		2.3900e-003	2.3900e-003		2.3900e-003	2.3900e-003	0.0000	0.7108	0.7108	7.0000e-004	0.0000	0.7284
Energy	0.0101	0.0907	0.0671	5.5000e-004		7.0000e-003	7.0000e-003		7.0000e-003	7.0000e-003	0.0000	701.3352	701.3352	0.0267	6.9700e-003	704.0815
Mobile	1.2285	6.4269	14.8090	0.0457	3.4714	0.0532	3.5246	0.9304	0.0501	0.9804	0.0000	4,208.1045	4,208.1045	0.2380	0.0000	4,214.0533
Waste						0.0000	0.0000		0.0000	0.0000	234.2455	0.0000	234.2455	13.8435	0.0000	580.3333
Water						0.0000	0.0000		0.0000	0.0000	5.8922	103.0024	108.8946	0.6094	0.0152	128.6510
<b>Total</b>	<b>1.9611</b>	<b>6.5227</b>	<b>15.3131</b>	<b>0.0462</b>	<b>3.4714</b>	<b>0.0626</b>	<b>3.5340</b>	<b>0.9304</b>	<b>0.0595</b>	<b>0.9898</b>	<b>240.1377</b>	<b>5,013.1529</b>	<b>5,253.2905</b>	<b>14.7183</b>	<b>0.0221</b>	<b>5,627.8475</b>

### 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	0.7224	5.0600e-003	0.4370	2.0000e-005		2.3900e-003	2.3900e-003		2.3900e-003	2.3900e-003	0.0000	0.7108	0.7108	7.0000e-004	0.0000	0.7284
Energy	0.0101	0.0907	0.0671	5.5000e-004		7.0000e-003	7.0000e-003		7.0000e-003	7.0000e-003	0.0000	701.3352	701.3352	0.0267	6.9700e-003	704.0815
Mobile	1.2285	6.4269	14.8090	0.0457	3.4714	0.0532	3.5246	0.9304	0.0501	0.9804	0.0000	4,208.1045	4,208.1045	0.2380	0.0000	4,214.0533
Waste						0.0000	0.0000		0.0000	0.0000	234.2455	0.0000	234.2455	13.8435	0.0000	580.3333
Water						0.0000	0.0000		0.0000	0.0000	5.8922	103.0024	108.8946	0.6094	0.0152	128.6510
<b>Total</b>	<b>1.9611</b>	<b>6.5227</b>	<b>15.3131</b>	<b>0.0462</b>	<b>3.4714</b>	<b>0.0626</b>	<b>3.5340</b>	<b>0.9304</b>	<b>0.0595</b>	<b>0.9898</b>	<b>240.1377</b>	<b>5,013.1529</b>	<b>5,253.2905</b>	<b>14.7183</b>	<b>0.0221</b>	<b>5,627.8475</b>

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2018	12/31/2017	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

#### OffRoad Equipment

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

#### Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

## 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	1.2285	6.4269	14.8090	0.0457	3.4714	0.0532	3.5246	0.9304	0.0501	0.9804	0.0000	4,208.1045	4,208.1045	0.2380	0.0000	4,214.0533
Unmitigated	1.2285	6.4269	14.8090	0.0457	3.4714	0.0532	3.5246	0.9304	0.0501	0.9804	0.0000	4,208.1045	4,208.1045	0.2380	0.0000	4,214.0533

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Congregate Care (Assisted Living)	115.08	92.40	102.48	376,023	376,023
Day-Care Center	719.86	60.36	56.67	771,979	771,979
General Office Building	174.38	38.89	16.60	426,804	426,804
Health Club	404.71	256.49	328.51	797,014	797,014
Junior College (2Yr)	41.78	17.07	1.84	98,305	98,305
Medical Office Building	1,521.07	377.22	65.26	2,982,135	2,982,135
Medical Office Building	1,878.76	465.92	80.60	3,683,398	3,683,398
<b>Total</b>	<b>4,855.66</b>	<b>1,308.35</b>	<b>651.95</b>	<b>9,135,659</b>	<b>9,135,659</b>

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Congregate Care (Assisted Living)	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Day-Care Center	16.60	8.40	6.90	12.70	82.30	5.00	28	58	14

General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10

#### 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Congregate Care (Assisted Living)	0.546418	0.044132	0.199182	0.124467	0.017484	0.005870	0.020172	0.031831	0.001999	0.002027	0.004724	0.000704	0.000991
Day-Care Center	0.546418	0.044132	0.199182	0.124467	0.017484	0.005870	0.020172	0.031831	0.001999	0.002027	0.004724	0.000704	0.000991
General Office Building	0.546418	0.044132	0.199182	0.124467	0.017484	0.005870	0.020172	0.031831	0.001999	0.002027	0.004724	0.000704	0.000991
Health Club	0.546418	0.044132	0.199182	0.124467	0.017484	0.005870	0.020172	0.031831	0.001999	0.002027	0.004724	0.000704	0.000991
Junior College (2Yr)	0.546418	0.044132	0.199182	0.124467	0.017484	0.005870	0.020172	0.031831	0.001999	0.002027	0.004724	0.000704	0.000991
Medical Office Building	0.546418	0.044132	0.199182	0.124467	0.017484	0.005870	0.020172	0.031831	0.001999	0.002027	0.004724	0.000704	0.000991

#### 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	601.0231	601.0231	0.0248	5.1300e-003	603.1733
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	601.0231	601.0231	0.0248	5.1300e-003	603.1733
Natural Gas Mitigated	0.0101	0.0907	0.0671	5.5000e-004		7.0000e-003	7.0000e-003		7.0000e-003	7.0000e-003	0.0000	100.3121	100.3121	1.9200e-003	1.8400e-003	100.9082

NaturalGas Unmitigated	0.0101	0.0907	0.0671	5.5000e-004		7.0000e-003	7.0000e-003		7.0000e-003	7.0000e-003	0.0000	100.3121	100.3121	1.9200e-003	1.8400e-003	100.9082
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## 5.2 Energy by Land Use - NaturalGas

### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Congregate Care (Assisted Living)	479953	2.5900e-003	0.0221	9.4100e-003	1.4000e-004		1.7900e-003	1.7900e-003		1.7900e-003	1.7900e-003	0.0000	25.6121	25.6121	4.9000e-004	4.7000e-004	25.7643
Day-Care Center	115085	6.2000e-004	5.6400e-003	4.7400e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	6.1414	6.1414	1.2000e-004	1.1000e-004	6.1779
General Office Building	144503	7.8000e-004	7.0800e-003	5.9500e-003	4.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	7.7113	7.7113	1.5000e-004	1.4000e-004	7.7571
Health Club	256861	1.3900e-003	0.0126	0.0106	8.0000e-005		9.6000e-004	9.6000e-004		9.6000e-004	9.6000e-004	0.0000	13.7071	13.7071	2.6000e-004	2.5000e-004	13.7885
Junior College (2Yr)	23301.6	1.3000e-004	1.1400e-003	9.6000e-004	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.2435	1.2435	2.0000e-005	2.0000e-005	1.2509
Medical Office Building	384794	2.0700e-003	0.0189	0.0158	1.1000e-004		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	20.5341	20.5341	3.9000e-004	3.8000e-004	20.6561
Medical Office Building	475280	2.5600e-003	0.0233	0.0196	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003	0.0000	25.3628	25.3628	4.9000e-004	4.6000e-004	25.5135
<b>Total</b>		<b>0.0101</b>	<b>0.0907</b>	<b>0.0671</b>	<b>5.5000e-004</b>		<b>7.0100e-003</b>	<b>7.0100e-003</b>		<b>7.0100e-003</b>	<b>7.0100e-003</b>	<b>0.0000</b>	<b>100.3121</b>	<b>100.3121</b>	<b>1.9200e-003</b>	<b>1.8300e-003</b>	<b>100.9082</b>

### 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					
Congregate Care (Assisted Living)	479953	2.5900e-003	0.0221	9.4100e-003	1.4000e-004		1.7900e-003	1.7900e-003		1.7900e-003	1.7900e-003	0.0000	25.6121	25.6121	4.9000e-004	4.7000e-004	25.7643

Day-Care Center	115085	6.2000e-004	5.6400e-003	4.7400e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	6.1414	6.1414	1.2000e-004	1.1000e-004	6.1779
General Office Building	144503	7.8000e-004	7.0800e-003	5.9500e-003	4.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	7.7113	7.7113	1.5000e-004	1.4000e-004	7.7571
Health Club	256861	1.3900e-003	0.0126	0.0106	8.0000e-005		9.6000e-004	9.6000e-004		9.6000e-004	9.6000e-004	0.0000	13.7071	13.7071	2.6000e-004	2.5000e-004	13.7885
Junior College (2Yr)	23301.6	1.3000e-004	1.1400e-003	9.6000e-004	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.2435	1.2435	2.0000e-005	2.0000e-005	1.2509
Medical Office Building	384794	2.0700e-003	0.0189	0.0158	1.1000e-004		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	20.5341	20.5341	3.9000e-004	3.8000e-004	20.6561
Medical Office Building	475280	2.5600e-003	0.0233	0.0196	1.4000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003	0.0000	25.3628	25.3628	4.9000e-004	4.6000e-004	25.5135
<b>Total</b>		<b>0.0101</b>	<b>0.0907</b>	<b>0.0671</b>	<b>5.5000e-004</b>		<b>7.0100e-003</b>	<b>7.0100e-003</b>		<b>7.0100e-003</b>	<b>7.0100e-003</b>	<b>0.0000</b>	<b>100.3121</b>	<b>100.3121</b>	<b>1.9200e-003</b>	<b>1.8300e-003</b>	<b>100.9082</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Congregate Care (Assisted Living)	166963	53.1979	2.2000e-003	4.5000e-004	53.3882
Day-Care Center	59097.6	18.8298	7.8000e-004	1.6000e-004	18.8971
General Office Building	221182	70.4733	2.9100e-003	6.0000e-004	70.7254
Health Club	103850	33.0890	1.3700e-003	2.8000e-004	33.2074
Junior College (2Yr)	18772	5.9812	2.5000e-004	5.0000e-005	6.0026
Medical Office Building	588979	187.6613	7.7500e-003	1.6000e-003	188.3327
Medical Office Building	727480	231.7907	9.5700e-003	1.9800e-003	232.6200
<b>Total</b>		<b>601.0231</b>	<b>0.0248</b>	<b>5.1200e-003</b>	<b>603.1733</b>

## Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Congregate Care (Assisted Living)	166963	53.1979	2.2000e-003	4.5000e-004	53.3882
Day-Care Center	59097.6	18.8298	7.8000e-004	1.6000e-004	18.8971
General Office Building	221182	70.4733	2.9100e-003	6.0000e-004	70.7254
Health Club	103850	33.0890	1.3700e-003	2.8000e-004	33.2074
Junior College (2Yr)	18772	5.9812	2.5000e-004	5.0000e-005	6.0026
Medical Office Building	588979	187.6613	7.7500e-003	1.6000e-003	188.3327
Medical Office Building	727480	231.7907	9.5700e-003	1.9800e-003	232.6200
<b>Total</b>		<b>601.0231</b>	<b>0.0248</b>	<b>5.1200e-003</b>	<b>603.1733</b>

## 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	0.7224	5.0600e-003	0.4370	2.0000e-005		2.3900e-003	2.3900e-003		2.3900e-003	2.3900e-003	0.0000	0.7108	0.7108	7.0000e-004	0.0000	0.7284

Unmitigated	0.7224	5.0600e-003	0.4370	2.0000e-005		2.3900e-003	2.3900e-003		2.3900e-003	2.3900e-003	0.0000	0.7108	0.7108	7.0000e-004	0.0000	0.7284
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## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0750						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6340						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0135	5.0600e-003	0.4370	2.0000e-005			2.3900e-003	2.3900e-003		2.3900e-003	0.0000	0.7108	0.7108	7.0000e-004	0.0000	0.7284
<b>Total</b>	<b>0.7224</b>	<b>5.0600e-003</b>	<b>0.4370</b>	<b>2.0000e-005</b>			<b>2.3900e-003</b>	<b>2.3900e-003</b>		<b>2.3900e-003</b>	<b>0.0000</b>	<b>0.7108</b>	<b>0.7108</b>	<b>7.0000e-004</b>	<b>0.0000</b>	<b>0.7284</b>

### 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	0.0750						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6340						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



Landscaping	0.0135	5.0600e-003	0.4370	2.0000e-005		2.3900e-003	2.3900e-003		2.3900e-003	2.3900e-003	0.0000	0.7108	0.7108	7.0000e-004	0.0000	0.7284
<b>Total</b>	<b>0.7224</b>	<b>5.0600e-003</b>	<b>0.4370</b>	<b>2.0000e-005</b>		<b>2.3900e-003</b>	<b>2.3900e-003</b>		<b>2.3900e-003</b>	<b>2.3900e-003</b>	<b>0.0000</b>	<b>0.7108</b>	<b>0.7108</b>	<b>7.0000e-004</b>	<b>0.0000</b>	<b>0.7284</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	108.8946	0.6094	0.0152	128.6510
Unmitigated	108.8946	0.6094	0.0152	128.6510

### 7.2 Water by Land Use

#### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Congregate Care (Assisted Living)	2.73647 / 1.72517	18.3280	0.0899	2.2500e-003	21.2471
Day-Care Center	0.416887 / 1.07199	5.6566	0.0138	3.7000e-004	6.1115
General Office Building	2.80997 / 1.72224	18.6459	0.0923	2.3100e-003	21.6428

Health Club	0.726869 / 0.445501	4.8232	0.0239	6.0000e- 004	5.5985
Junior College (2Yr)	0.0745545 / 0.116611	0.7458	2.4600e- 003	6.0000e- 005	0.8262
Medical Office Building	11.8077 / 2.24909	60.6951	0.3871	9.5700e- 003	73.2250
<b>Total</b>		<b>108.8946</b>	<b>0.6094</b>	<b>0.0152</b>	<b>128.6510</b>

### Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Congregate Care (Assisted Living)	2.73647 / 1.72517	18.3280	0.0899	2.2500e- 003	21.2471
Day-Care Center	0.416887 / 1.07199	5.6566	0.0138	3.7000e- 004	6.1115
General Office Building	2.80997 / 1.72224	18.6459	0.0923	2.3100e- 003	21.6428
Health Club	0.726869 / 0.445501	4.8232	0.0239	6.0000e- 004	5.5985
Junior College (2Yr)	0.0745545 / 0.116611	0.7458	2.4600e- 003	6.0000e- 005	0.8262
Medical Office Building	11.8077 / 2.24909	60.6951	0.3871	9.5700e- 003	73.2250
<b>Total</b>		<b>108.8946</b>	<b>0.6094</b>	<b>0.0152</b>	<b>128.6510</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

#### Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	234.2455	13.8435	0.0000	580.3333
Unmitigated	234.2455	13.8435	0.0000	580.3333

## 8.2 Waste by Land Use

### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Congregate Care (Assisted Living)	38.32	7.7786	0.4597	0.0000	19.2712
Day-Care Center	12.64	2.5658	0.1516	0.0000	6.3567
General Office Building	14.7	2.9840	0.1764	0.0000	7.3927
Health Club	70.05	14.2195	0.8404	0.0000	35.2283
Junior College (2Yr)	1.98	0.4019	0.0238	0.0000	0.9958
Medical Office Building	1016.28	206.2957	12.1917	0.0000	511.0888
<b>Total</b>		<b>234.2455</b>	<b>13.8435</b>	<b>0.0000</b>	<b>580.3333</b>

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Congregate Care (Assisted Living)	38.32	7.7786	0.4597	0.0000	19.2712
Day-Care Center	12.64	2.5658	0.1516	0.0000	6.3567
General Office Building	14.7	2.9840	0.1764	0.0000	7.3927
Health Club	70.05	14.2195	0.8404	0.0000	35.2283
Junior College (2Yr)	1.98	0.4019	0.0238	0.0000	0.9958
Medical Office Building	1016.28	206.2957	12.1917	0.0000	511.0888
<b>Total</b>		<b>234.2455</b>	<b>13.8435</b>	<b>0.0000</b>	<b>580.3333</b>

## 9.0 Operational Offroad

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

### Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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**11.0 Vegetation**

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BCHD Operational Baseline 2019 - South Coast AQMD Air District, Winter

**BCHD Operational Baseline 2019**  
**South Coast AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	15.81	1000sqft	0.36	15,810.00	0
Medical Office Building	42.10	1000sqft	0.97	42,100.00	0
Day-Care Center	9.72	1000sqft	0.22	9,720.00	0
Junior College (2Yr)	1.52	1000sqft	0.03	1,520.00	0
Health Club	12.29	1000sqft	0.28	12,290.00	0
Congregate Care (Assisted Living)	42.00	Dwelling Unit	2.63	42,000.00	120
Medical Office Building	52.00	1000sqft	1.19	52,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	8			<b>Operational Year</b>	2019
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Operational baseline only. No construction.

Land Use -

Construction Phase - No construction.

Off-road Equipment - No construction.

Trips and VMT - No construction.

Woodstoves - No woodstoves or hearths.

Energy Use -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	1/26/2018	12/31/2017
tblFireplaces	NumberGas	35.70	0.00
tblFireplaces	NumberNoFireplace	4.20	0.00
tblFireplaces	NumberWood	2.10	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblWoodstoves	NumberCatalytic	2.10	0.00
tblWoodstoves	NumberNoncatalytic	2.10	0.00

## 2.0 Emissions Summary

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

## 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	3.9925	0.0405	3.4960	1.8000e-004		0.0191	0.0191		0.0191	0.0191	0.0000	6.2684	6.2684	6.2000e-003	0.0000	6.4235
Energy	0.0555	0.4972	0.3674	3.0300e-003		0.0384	0.0384		0.0384	0.0384		605.8914	605.8914	0.0116	0.0111	609.4919
Mobile	8.9686	44.8786	104.0136	0.3194	25.1173	0.3806	25.4979	6.7214	0.3582	7.0795		32,456.4522	32,456.4522	1.8805		32,503.4636
<b>Total</b>	<b>13.0167</b>	<b>45.4163</b>	<b>107.8769</b>	<b>0.3226</b>	<b>25.1173</b>	<b>0.4381</b>	<b>25.5554</b>	<b>6.7214</b>	<b>0.4157</b>	<b>7.1370</b>	<b>0.0000</b>	<b>33,068.6120</b>	<b>33,068.6120</b>	<b>1.8983</b>	<b>0.0111</b>	<b>33,119.3790</b>

**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	3.9925	0.0405	3.4960	1.8000e-004		0.0191	0.0191		0.0191	0.0191	0.0000	6.2684	6.2684	6.2000e-003	0.0000	6.4235
Energy	0.0555	0.4972	0.3674	3.0300e-003		0.0384	0.0384		0.0384	0.0384		605.8914	605.8914	0.0116	0.0111	609.4919
Mobile	8.9686	44.8786	104.0136	0.3194	25.1173	0.3806	25.4979	6.7214	0.3582	7.0795		32,456.4522	32,456.4522	1.8805		32,503.4636
<b>Total</b>	<b>13.0167</b>	<b>45.4163</b>	<b>107.8769</b>	<b>0.3226</b>	<b>25.1173</b>	<b>0.4381</b>	<b>25.5554</b>	<b>6.7214</b>	<b>0.4157</b>	<b>7.1370</b>	<b>0.0000</b>	<b>33,068.6120</b>	<b>33,068.6120</b>	<b>1.8983</b>	<b>0.0111</b>	<b>33,119.3790</b>

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

**3.0 Construction Detail**

**Construction Phase**



Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2018	12/31/2017	5	0	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural**

**OffRoad Equipment**

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

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.9686	44.8786	104.0136	0.3194	25.1173	0.3806	25.4979	6.7214	0.3582	7.0795		32,456.45 22	32,456.452 2	1.8805		32,503.46 36
Unmitigated	8.9686	44.8786	104.0136	0.3194	25.1173	0.3806	25.4979	6.7214	0.3582	7.0795		32,456.45 22	32,456.452 2	1.8805		32,503.46 36

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Congregate Care (Assisted Living)	115.08	92.40	102.48	376,023	376,023
Day-Care Center	719.86	60.36	56.67	771,979	771,979
General Office Building	174.38	38.89	16.60	426,804	426,804
Health Club	404.71	256.49	328.51	797,014	797,014
Junior College (2Yr)	41.78	17.07	1.84	98,305	98,305
Medical Office Building	1,521.07	377.22	65.26	2,982,135	2,982,135
Medical Office Building	1,878.76	465.92	80.60	3,683,398	3,683,398
Total	4,855.66	1,308.35	651.95	9,135,659	9,135,659

#### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Congregate Care (Assisted Living)	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Day-Care Center	16.60	8.40	6.90	12.70	82.30	5.00	28	58	14
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10

#### 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Congregate Care (Assisted Living)	0.546418	0.044132	0.199182	0.124467	0.017484	0.005870	0.020172	0.031831	0.001999	0.002027	0.004724	0.000704	0.000991
Day-Care Center	0.546418	0.044132	0.199182	0.124467	0.017484	0.005870	0.020172	0.031831	0.001999	0.002027	0.004724	0.000704	0.000991
General Office Building	0.546418	0.044132	0.199182	0.124467	0.017484	0.005870	0.020172	0.031831	0.001999	0.002027	0.004724	0.000704	0.000991
Health Club	0.546418	0.044132	0.199182	0.124467	0.017484	0.005870	0.020172	0.031831	0.001999	0.002027	0.004724	0.000704	0.000991
Junior College (2Yr)	0.546418	0.044132	0.199182	0.124467	0.017484	0.005870	0.020172	0.031831	0.001999	0.002027	0.004724	0.000704	0.000991
Medical Office Building	0.546418	0.044132	0.199182	0.124467	0.017484	0.005870	0.020172	0.031831	0.001999	0.002027	0.004724	0.000704	0.000991

#### 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	0.0555	0.4972	0.3674	3.0300e-003		0.0384	0.0384		0.0384	0.0384		605.8914	605.8914	0.0116	0.0111	609.4919
NaturalGas Unmitigated	0.0555	0.4972	0.3674	3.0300e-003		0.0384	0.0384		0.0384	0.0384		605.8914	605.8914	0.0116	0.0111	609.4919

#### 5.2 Energy by Land Use - NaturalGas

##### Unmitigated

	Natural Gas 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					
Congregate Care (Assisted Living)	1314.94	0.0142	0.1212	0.0516	7.7000e-004		9.8000e-003	9.8000e-003		9.8000e-003	9.8000e-003		154.6989	154.6989	2.9700e-003	2.8400e-003	155.6182
Day-Care Center	315.301	3.4000e-003	0.0309	0.0260	1.9000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003		37.0942	37.0942	7.1000e-004	6.8000e-004	37.3147
General Office Building	395.9	4.2700e-003	0.0388	0.0326	2.3000e-004		2.9500e-003	2.9500e-003		2.9500e-003	2.9500e-003		46.5764	46.5764	8.9000e-004	8.5000e-004	46.8532
Health Club	703.729	7.5900e-003	0.0690	0.0580	4.1000e-004		5.2400e-003	5.2400e-003		5.2400e-003	5.2400e-003		82.7916	82.7916	1.5900e-003	1.5200e-003	83.2836
Junior College (2Yr)	63.84	6.9000e-004	6.2600e-003	5.2600e-003	4.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		7.5106	7.5106	1.4000e-004	1.4000e-004	7.5552
Medical Office Building	1054.23	0.0114	0.1034	0.0868	6.2000e-004		7.8600e-003	7.8600e-003		7.8600e-003	7.8600e-003		124.0271	124.0271	2.3800e-003	2.2700e-003	124.7641
Medical Office Building	1302.14	0.0140	0.1277	0.1072	7.7000e-004		9.7000e-003	9.7000e-003		9.7000e-003	9.7000e-003		153.1926	153.1926	2.9400e-003	2.8100e-003	154.1029
<b>Total</b>		<b>0.0555</b>	<b>0.4972</b>	<b>0.3674</b>	<b>3.0300e-003</b>		<b>0.0384</b>	<b>0.0384</b>		<b>0.0384</b>	<b>0.0384</b>		<b>605.8914</b>	<b>605.8914</b>	<b>0.0116</b>	<b>0.0111</b>	<b>609.4919</b>

**Mitigated**

	Natural Gas 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					
Congregate Care (Assisted Living)	1.31494	0.0142	0.1212	0.0516	7.7000e-004		9.8000e-003	9.8000e-003		9.8000e-003	9.8000e-003		154.6989	154.6989	2.9700e-003	2.8400e-003	155.6182
Day-Care Center	0.315301	3.4000e-003	0.0309	0.0260	1.9000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003		37.0942	37.0942	7.1000e-004	6.8000e-004	37.3147
General Office Building	0.3959	4.2700e-003	0.0388	0.0326	2.3000e-004		2.9500e-003	2.9500e-003		2.9500e-003	2.9500e-003		46.5764	46.5764	8.9000e-004	8.5000e-004	46.8532
Health Club	0.703729	7.5900e-003	0.0690	0.0580	4.1000e-004		5.2400e-003	5.2400e-003		5.2400e-003	5.2400e-003		82.7916	82.7916	1.5900e-003	1.5200e-003	83.2836

Junior College (2Yr)	0.06384	6.9000e-004	6.2600e-003	5.2600e-003	4.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004		7.5106	7.5106	1.4000e-004	1.4000e-004	7.5552
Medical Office Building	1.05423	0.0114	0.1034	0.0868	6.2000e-004		7.8600e-003	7.8600e-003		7.8600e-003	7.8600e-003		124.0271	124.0271	2.3800e-003	2.2700e-003	124.7641
Medical Office Building	1.30214	0.0140	0.1277	0.1072	7.7000e-004		9.7000e-003	9.7000e-003		9.7000e-003	9.7000e-003		153.1926	153.1926	2.9400e-003	2.8100e-003	154.1029
<b>Total</b>		<b>0.0555</b>	<b>0.4972</b>	<b>0.3674</b>	<b>3.0300e-003</b>		<b>0.0384</b>	<b>0.0384</b>		<b>0.0384</b>	<b>0.0384</b>		<b>605.8914</b>	<b>605.8914</b>	<b>0.0116</b>	<b>0.0111</b>	<b>609.4919</b>

## 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	3.9925	0.0405	3.4960	1.8000e-004		0.0191	0.0191		0.0191	0.0191	0.0000	6.2684	6.2684	6.2000e-003	0.0000	6.4235
Unmitigated	3.9925	0.0405	3.4960	1.8000e-004		0.0191	0.0191		0.0191	0.0191	0.0000	6.2684	6.2684	6.2000e-003	0.0000	6.4235

### 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	0.4109					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Consumer Products	3.4737					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1079	0.0405	3.4960	1.8000e-004		0.0191	0.0191		0.0191	0.0191		6.2684	6.2684	6.2000e-003		6.4235
<b>Total</b>	<b>3.9925</b>	<b>0.0405</b>	<b>3.4960</b>	<b>1.8000e-004</b>		<b>0.0191</b>	<b>0.0191</b>		<b>0.0191</b>	<b>0.0191</b>	<b>0.0000</b>	<b>6.2684</b>	<b>6.2684</b>	<b>6.2000e-003</b>	<b>0.0000</b>	<b>6.4235</b>

**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	0.4109					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.4737					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1079	0.0405	3.4960	1.8000e-004		0.0191	0.0191		0.0191	0.0191		6.2684	6.2684	6.2000e-003		6.4235
<b>Total</b>	<b>3.9925</b>	<b>0.0405</b>	<b>3.4960</b>	<b>1.8000e-004</b>		<b>0.0191</b>	<b>0.0191</b>		<b>0.0191</b>	<b>0.0191</b>	<b>0.0000</b>	<b>6.2684</b>	<b>6.2684</b>	<b>6.2000e-003</b>	<b>0.0000</b>	<b>6.4235</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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### Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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## 11.0 Vegetation

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BCHD Phase 1 - South Coast AQMD Air District, Annual

**BCHD Phase 1**  
**South Coast AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	14.00	1000sqft	0.32	14,000.00	0
Place of Worship	6.27	1000sqft	0.14	6,270.00	0
Place of Worship	9.10	1000sqft	0.21	9,100.00	0
Parking Lot	91.00	Space	0.82	36,500.00	0
Congregate Care (Assisted Living)	217.00	Dwelling Unit	2.64	255,200.00	297

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	8			<b>Operational Year</b>	2023
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -  
 Land Use - Provided by BCHD.  
 Construction Phase - Provided by BCHD.  
 Trips and VMT - BCHD



Demolition -

Grading -

Woodstoves - BCHD

Construction Off-road Equipment Mitigation - Dust mitigation 2006WRAP.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	61	74
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	61	74
tblConstructionPhase	NumDays	20.00	8.00
tblConstructionPhase	NumDays	5.00	22.00
tblConstructionPhase	NumDays	8.00	27.00
tblConstructionPhase	NumDays	230.00	520.00
tblConstructionPhase	NumDays	18.00	228.00
tblConstructionPhase	NumDays	18.00	168.00
tblConstructionPhase	NumDays	20.00	26.00
tblConstructionPhase	NumDays	8.00	23.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	NumberGas	184.45	0.00
tblFireplaces	NumberNoFireplace	21.70	0.00
tblFireplaces	NumberWood	10.85	0.00
tblGrading	MaterialExported	0.00	20,000.00
tblGrading	MaterialImported	0.00	14,000.00
tblLandUse	LandUseSquareFeet	36,400.00	36,500.00

tblLandUse	LandUseSquareFeet	217,000.00	255,200.00
tblLandUse	LotAcreage	13.56	2.64
tblLandUse	Population	621.00	297.00
tblOffRoadEquipment	HorsePower	231.00	147.00
tblOffRoadEquipment	HorsePower	221.00	362.00
tblOffRoadEquipment	HorsePower	85.00	475.00
tblOffRoadEquipment	HorsePower	85.00	475.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	455.00	1,150.00
tblTripsAndVMT	HaulingTripNumber	3,164.00	4,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,750.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblWoodstoves	NumberCatalytic	10.85	0.00
tblWoodstoves	NumberNoncatalytic	10.85	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					
2022	0.3161	2.7401	2.9829	7.8400e-003	0.3464	0.1037	0.4502	0.0855	0.0975	0.1830	0.0000	712.5097	712.5097	0.0902	0.0000	714.7653
2023	1.2054	3.1638	4.5765	9.6400e-003	0.3766	0.1420	0.5186	0.1008	0.1334	0.2342	0.0000	857.4080	857.4080	0.1255	0.0000	860.5452
2024	0.2235	0.7819	0.5429	2.9500e-003	0.2336	0.0158	0.2493	0.0428	0.0149	0.0577	0.0000	284.8596	284.8596	0.0272	0.0000	285.5388
<b>Maximum</b>	<b>1.2054</b>	<b>3.1638</b>	<b>4.5765</b>	<b>9.6400e-003</b>	<b>0.3766</b>	<b>0.1420</b>	<b>0.5186</b>	<b>0.1008</b>	<b>0.1334</b>	<b>0.2342</b>	<b>0.0000</b>	<b>857.4080</b>	<b>857.4080</b>	<b>0.1255</b>	<b>0.0000</b>	<b>860.5452</b>

**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					
2022	0.3161	2.7401	2.9829	7.8400e-003	0.3016	0.1037	0.4053	0.0790	0.0975	0.1765	0.0000	712.5094	712.5094	0.0902	0.0000	714.7649
2023	1.2054	3.1638	4.5765	9.6400e-003	0.3766	0.1420	0.5186	0.1008	0.1334	0.2342	0.0000	857.4075	857.4075	0.1255	0.0000	860.5447
2024	0.2235	0.7819	0.5429	2.9500e-003	0.1063	0.0158	0.1221	0.0236	0.0149	0.0385	0.0000	284.8595	284.8595	0.0272	0.0000	285.5387
<b>Maximum</b>	<b>1.2054</b>	<b>3.1638</b>	<b>4.5765</b>	<b>9.6400e-003</b>	<b>0.3766</b>	<b>0.1420</b>	<b>0.5186</b>	<b>0.1008</b>	<b>0.1334</b>	<b>0.2342</b>	<b>0.0000</b>	<b>857.4075</b>	<b>857.4075</b>	<b>0.1255</b>	<b>0.0000</b>	<b>860.5447</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>18.00</b>	<b>0.00</b>	<b>14.13</b>	<b>11.23</b>	<b>0.00</b>	<b>5.42</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	2-1-2022	4-30-2022	3.2628	3.2628

2	5-1-2022	7-31-2022	0.7994	0.7994
3	8-1-2022	10-31-2022	0.8008	0.8008
4	11-1-2022	1-31-2023	0.7755	0.7755
5	2-1-2023	4-30-2023	0.6956	0.6956
6	5-1-2023	7-31-2023	1.1360	1.1360
7	8-1-2023	10-31-2023	1.4946	1.4946
8	11-1-2023	1-31-2024	1.3089	1.3089
9	2-1-2024	4-30-2024	0.0634	0.0634
10	5-1-2024	7-31-2024	1.3691	1.3691
		Highest	3.2628	3.2628

**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	1.1922	0.0258	2.2399	1.2000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	3.6585	3.6585	3.5200e-003	0.0000	3.7466
Energy	0.0158	0.1363	0.0671	8.6000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	539.0127	539.0127	0.0188	6.1300e-003	541.3106
Mobile	0.2904	1.4037	3.7848	0.0149	1.2797	0.0106	1.2903	0.3429	9.8500e-003	0.3528	0.0000	1,376.5021	1,376.5021	0.0632	0.0000	1,378.0807
Waste						0.0000	0.0000		0.0000	0.0000	88.6705	0.0000	88.6705	5.2403	0.0000	219.6774
Water						0.0000	0.0000		0.0000	0.0000	5.1954	103.3399	108.5353	0.5379	0.0135	126.0001
<b>Total</b>	<b>1.4984</b>	<b>1.5658</b>	<b>6.0918</b>	<b>0.0159</b>	<b>1.2797</b>	<b>0.0339</b>	<b>1.3136</b>	<b>0.3429</b>	<b>0.0332</b>	<b>0.3761</b>	<b>93.8659</b>	<b>2,022.5131</b>	<b>2,116.3790</b>	<b>5.8636</b>	<b>0.0196</b>	<b>2,268.8155</b>

**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	1.1922	0.0258	2.2399	1.2000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	3.6585	3.6585	3.5200e-003	0.0000	3.7466
Energy	0.0158	0.1363	0.0671	8.6000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	539.0127	539.0127	0.0188	6.1300e-003	541.3106
Mobile	0.2904	1.4037	3.7848	0.0149	1.2797	0.0106	1.2903	0.3429	9.8500e-003	0.3528	0.0000	1,376.5021	1,376.5021	0.0632	0.0000	1,378.0807
Waste						0.0000	0.0000		0.0000	0.0000	88.6705	0.0000	88.6705	5.2403	0.0000	219.6774
Water						0.0000	0.0000		0.0000	0.0000	5.1954	103.3399	108.5353	0.5379	0.0135	126.0001
<b>Total</b>	<b>1.4984</b>	<b>1.5658</b>	<b>6.0918</b>	<b>0.0159</b>	<b>1.2797</b>	<b>0.0339</b>	<b>1.3136</b>	<b>0.3429</b>	<b>0.0332</b>	<b>0.3761</b>	<b>93.8659</b>	<b>2,022.5131</b>	<b>2,116.3790</b>	<b>5.8636</b>	<b>0.0196</b>	<b>2,268.8155</b>

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	1	Demolition	2/11/2022	2/20/2022	6	8	Phase 1 Asphalt demo
2	2	Site Preparation	2/15/2022	3/11/2022	6	22	Phase 1 Shoring soldier piles
3	3	Grading	3/12/2022	4/11/2022	6	27	Phase 1 Excavation
4	5	Building Construction	4/12/2022	12/7/2023	6	520	Phase 1 Building construction
5	6	Architectural Coating	5/26/2023	2/15/2024	6	228	Phase 1 Finishes
6	4	Paving	6/30/2023	1/11/2024	6	168	Phase 1 Sitework exterior improv
7	7	Demolition	5/3/2024	6/1/2024	6	26	Phase 1 Demo existing hospital
8	8	Grading	6/2/2024	6/28/2024	6	23	Phase 1 Backfill existing basement

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.82

Residential Indoor: 516,780; Residential Outdoor: 172,260; Non-Residential Indoor: 44,055; Non-Residential Outdoor: 14,685; Striped

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
1	Concrete/Industrial Saws	1	8.00	81	0.73
1	Crushing/Proc. Equipment	1	4.00	475	0.78
1	Rubber Tired Dozers	1	8.00	247	0.40
1	Tractors/Loaders/Backhoes	3	8.00	97	0.37
2	Bore/Drill Rigs	1	6.00	362	0.50
2	Cranes	1	6.00	231	0.29
3	Excavators	1	4.00	158	0.38
3	Rubber Tired Loaders	1	6.00	203	0.36
3	Scrapers	1	6.00	367	0.48
5	Cranes	1	4.00	147	0.29
5	Forklifts	3	8.00	89	0.20
5	Generator Sets	1	8.00	84	0.74
5	Tractors/Loaders/Backhoes	3	8.00	97	0.37
5	Welders	1	8.00	46	0.45
6	Air Compressors	1	6.00	78	0.48
4	Cement and Mortar Mixers	1	8.00	9	0.56
4	Pavers	1	8.00	130	0.42
4	Paving Equipment	1	8.00	132	0.36
4	Rollers	2	8.00	80	0.38
4	Tractors/Loaders/Backhoes	1	8.00	97	0.37
7	Concrete/Industrial Saws	1	8.00	81	0.73

7	Crushing/Proc. Equipment	1	4.00	475	0.78
7	Rubber Tired Dozers	1	8.00	247	0.40
7	Tractors/Loaders/Backhoes	3	8.00	97	0.37
8	Excavators	1	4.00	158	0.38
8	Rollers	1	8.00	80	0.38
8	Rubber Tired Loaders	1	6.00	203	0.36

### Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
1	6	15.00	0.00	1,150.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
2	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
3	3	8.00	0.00	2,500.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
5	9	183.00	34.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
6	1	37.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
4	6	15.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
7	6	15.00	0.00	4,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
8	3	8.00	0.00	1,750.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

#### 3.2 1 - 2022

#### Unmitigated Construction On-Site

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

Fugitive Dust					0.0492	0.0000	0.0492	7.4500e-003	0.0000	7.4500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0101	0.0846	0.0698	1.6000e-004		3.9800e-003	3.9800e-003		3.7600e-003	3.7600e-003	0.0000	15.1688	15.1688	2.4200e-003	0.0000	15.2294
<b>Total</b>	<b>0.0101</b>	<b>0.0846</b>	<b>0.0698</b>	<b>1.6000e-004</b>	<b>0.0492</b>	<b>3.9800e-003</b>	<b>0.0532</b>	<b>7.4500e-003</b>	<b>3.7600e-003</b>	<b>0.0112</b>	<b>0.0000</b>	<b>15.1688</b>	<b>15.1688</b>	<b>2.4200e-003</b>	<b>0.0000</b>	<b>15.2294</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0100e-003	0.1383	0.0314	4.3000e-004	9.8900e-003	3.9000e-004	0.0103	2.7100e-003	3.7000e-004	3.0900e-003	0.0000	42.4260	42.4260	2.8800e-003	0.0000	42.4981
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.7000e-004	1.9300e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5528	0.5528	1.0000e-005	0.0000	0.5532
<b>Total</b>	<b>4.2400e-003</b>	<b>0.1385</b>	<b>0.0333</b>	<b>4.4000e-004</b>	<b>0.0106</b>	<b>3.9000e-004</b>	<b>0.0109</b>	<b>2.8800e-003</b>	<b>3.7000e-004</b>	<b>3.2700e-003</b>	<b>0.0000</b>	<b>42.9788</b>	<b>42.9788</b>	<b>2.8900e-003</b>	<b>0.0000</b>	<b>43.0513</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0128	0.0000	0.0128	1.9400e-003	0.0000	1.9400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0101	0.0846	0.0698	1.6000e-004		3.9800e-003	3.9800e-003		3.7600e-003	3.7600e-003	0.0000	15.1688	15.1688	2.4200e-003	0.0000	15.2293
<b>Total</b>	<b>0.0101</b>	<b>0.0846</b>	<b>0.0698</b>	<b>1.6000e-004</b>	<b>0.0128</b>	<b>3.9800e-003</b>	<b>0.0168</b>	<b>1.9400e-003</b>	<b>3.7600e-003</b>	<b>5.7000e-003</b>	<b>0.0000</b>	<b>15.1688</b>	<b>15.1688</b>	<b>2.4200e-003</b>	<b>0.0000</b>	<b>15.2293</b>



**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0100e-003	0.1383	0.0314	4.3000e-004	9.8900e-003	3.9000e-004	0.0103	2.7100e-003	3.7000e-004	3.0900e-003	0.0000	42.4260	42.4260	2.8800e-003	0.0000	42.4981
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.7000e-004	1.9300e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5528	0.5528	1.0000e-005	0.0000	0.5532
<b>Total</b>	<b>4.2400e-003</b>	<b>0.1385</b>	<b>0.0333</b>	<b>4.4000e-004</b>	<b>0.0106</b>	<b>3.9000e-004</b>	<b>0.0109</b>	<b>2.8800e-003</b>	<b>3.7000e-004</b>	<b>3.2700e-003</b>	<b>0.0000</b>	<b>42.9788</b>	<b>42.9788</b>	<b>2.8900e-003</b>	<b>0.0000</b>	<b>43.0513</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.9100e-003	0.0618	0.0420	1.7000e-004		2.3600e-003	2.3600e-003		2.1700e-003	2.1700e-003	0.0000	15.3446	15.3446	4.9600e-003	0.0000	15.4687
<b>Total</b>	<b>5.9100e-003</b>	<b>0.0618</b>	<b>0.0420</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>2.3600e-003</b>	<b>2.3600e-003</b>	<b>0.0000</b>	<b>2.1700e-003</b>	<b>2.1700e-003</b>	<b>0.0000</b>	<b>15.3446</b>	<b>15.3446</b>	<b>4.9600e-003</b>	<b>0.0000</b>	<b>15.4687</b>

**Unmitigated Construction Off-Site**

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.9100e-003	0.0618	0.0420	1.7000e-004		2.3600e-003	2.3600e-003		2.1700e-003	2.1700e-003	0.0000	15.3446	15.3446	4.9600e-003	0.0000	15.4687
<b>Total</b>	<b>5.9100e-003</b>	<b>0.0618</b>	<b>0.0420</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>2.3600e-003</b>	<b>2.3600e-003</b>	<b>0.0000</b>	<b>2.1700e-003</b>	<b>2.1700e-003</b>	<b>0.0000</b>	<b>15.3446</b>	<b>15.3446</b>	<b>4.9600e-003</b>	<b>0.0000</b>	<b>15.4687</b>

**Mitigated Construction Off-Site**

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.5000e-004	1.7700e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5068	0.5068	1.0000e-005	0.0000	0.5071
<b>Total</b>	<b>2.2000e-004</b>	<b>1.5000e-004</b>	<b>1.7700e-003</b>	<b>1.0000e-005</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>6.1000e-004</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>0.5068</b>	<b>0.5068</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.5071</b>

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#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0114	0.0000	0.0114	1.2800e-003	0.0000	1.2800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0121	0.1282	0.0983	2.4000e-004		4.9500e-003	4.9500e-003		4.5600e-003	4.5600e-003	0.0000	21.3104	21.3104	6.8900e-003	0.0000	21.4827
<b>Total</b>	<b>0.0121</b>	<b>0.1282</b>	<b>0.0983</b>	<b>2.4000e-004</b>	<b>0.0114</b>	<b>4.9500e-003</b>	<b>0.0164</b>	<b>1.2800e-003</b>	<b>4.5600e-003</b>	<b>5.8400e-003</b>	<b>0.0000</b>	<b>21.3104</b>	<b>21.3104</b>	<b>6.8900e-003</b>	<b>0.0000</b>	<b>21.4827</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.3900e-003	0.2895	0.0657	9.0000e-004	0.0213	8.2000e-004	0.0221	5.8300e-003	7.8000e-004	6.6100e-003	0.0000	88.8144	88.8144	6.0400e-003	0.0000	88.9654
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	2.9000e-004	3.3500e-003	1.0000e-005	1.1400e-003	1.0000e-005	1.1500e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	0.9583	0.9583	2.0000e-005	0.0000	0.9589
<b>Total</b>	<b>8.8000e-003</b>	<b>0.2898</b>	<b>0.0691</b>	<b>9.1000e-004</b>	<b>0.0224</b>	<b>8.3000e-004</b>	<b>0.0233</b>	<b>6.1300e-003</b>	<b>7.9000e-004</b>	<b>6.9200e-003</b>	<b>0.0000</b>	<b>89.7727</b>	<b>89.7727</b>	<b>6.0600e-003</b>	<b>0.0000</b>	<b>89.9242</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.9700e-003	0.0000	2.9700e-003	3.3000e-004	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0121	0.1282	0.0983	2.4000e-004		4.9500e-003	4.9500e-003		4.5600e-003	4.5600e-003	0.0000	21.3104	21.3104	6.8900e-003	0.0000	21.4827
<b>Total</b>	<b>0.0121</b>	<b>0.1282</b>	<b>0.0983</b>	<b>2.4000e-004</b>	<b>2.9700e-003</b>	<b>4.9500e-003</b>	<b>7.9200e-003</b>	<b>3.3000e-004</b>	<b>4.5600e-003</b>	<b>4.8900e-003</b>	<b>0.0000</b>	<b>21.3104</b>	<b>21.3104</b>	<b>6.8900e-003</b>	<b>0.0000</b>	<b>21.4827</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.3900e-003	0.2895	0.0657	9.0000e-004	0.0213	8.2000e-004	0.0221	5.8300e-003	7.8000e-004	6.6100e-003	0.0000	88.8144	88.8144	6.0400e-003	0.0000	88.9654
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	2.9000e-004	3.3500e-003	1.0000e-005	1.1400e-003	1.0000e-005	1.1500e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	0.9583	0.9583	2.0000e-005	0.0000	0.9589
<b>Total</b>	<b>8.8000e-003</b>	<b>0.2898</b>	<b>0.0691</b>	<b>9.1000e-004</b>	<b>0.0224</b>	<b>8.3000e-004</b>	<b>0.0233</b>	<b>6.1300e-003</b>	<b>7.9000e-004</b>	<b>6.9200e-003</b>	<b>0.0000</b>	<b>89.7727</b>	<b>89.7727</b>	<b>6.0600e-003</b>	<b>0.0000</b>	<b>89.9242</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1831	1.6251	1.9129	2.8300e-003		0.0889	0.0889		0.0837	0.0837	0.0000	242.6623	242.6623	0.0564	0.0000	244.0730
<b>Total</b>	<b>0.1831</b>	<b>1.6251</b>	<b>1.9129</b>	<b>2.8300e-003</b>		<b>0.0889</b>	<b>0.0889</b>		<b>0.0837</b>	<b>0.0837</b>	<b>0.0000</b>	<b>242.6623</b>	<b>242.6623</b>	<b>0.0564</b>	<b>0.0000</b>	<b>244.0730</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0103	0.3541	0.0875	9.6000e-004	0.0243	6.5000e-004	0.0250	7.0200e-003	6.2000e-004	7.6400e-003	0.0000	93.3866	93.3866	5.7300e-003	0.0000	93.5300
Worker	0.0813	0.0578	0.6683	2.1200e-003	0.2279	1.6600e-003	0.2295	0.0605	1.5300e-003	0.0621	0.0000	191.3788	191.3788	4.8100e-003	0.0000	191.4990
<b>Total</b>	<b>0.0916</b>	<b>0.4118</b>	<b>0.7558</b>	<b>3.0800e-003</b>	<b>0.2522</b>	<b>2.3100e-003</b>	<b>0.2545</b>	<b>0.0675</b>	<b>2.1500e-003</b>	<b>0.0697</b>	<b>0.0000</b>	<b>284.7654</b>	<b>284.7654</b>	<b>0.0105</b>	<b>0.0000</b>	<b>285.0289</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1831	1.6251	1.9129	2.8300e-003		0.0889	0.0889		0.0837	0.0837	0.0000	242.6620	242.6620	0.0564	0.0000	244.0727

<b>Total</b>	<b>0.1831</b>	<b>1.6251</b>	<b>1.9129</b>	<b>2.8300e-003</b>		<b>0.0889</b>	<b>0.0889</b>		<b>0.0837</b>	<b>0.0837</b>	<b>0.0000</b>	<b>242.6620</b>	<b>242.6620</b>	<b>0.0564</b>	<b>0.0000</b>	<b>244.0727</b>
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**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0103	0.3541	0.0875	9.6000e-004	0.0243	6.5000e-004	0.0250	7.0200e-003	6.2000e-004	7.6400e-003	0.0000	93.3866	93.3866	5.7300e-003	0.0000	93.5300
Worker	0.0813	0.0578	0.6683	2.1200e-003	0.2279	1.6600e-003	0.2295	0.0605	1.5300e-003	0.0621	0.0000	191.3788	191.3788	4.8100e-003	0.0000	191.4990
<b>Total</b>	<b>0.0916</b>	<b>0.4118</b>	<b>0.7558</b>	<b>3.0800e-003</b>	<b>0.2522</b>	<b>2.3100e-003</b>	<b>0.2545</b>	<b>0.0675</b>	<b>2.1500e-003</b>	<b>0.0697</b>	<b>0.0000</b>	<b>284.7654</b>	<b>284.7654</b>	<b>0.0105</b>	<b>0.0000</b>	<b>285.0289</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2163	1.9286	2.4484	3.6400e-003		0.0982	0.0982		0.0925	0.0925	0.0000	312.2815	312.2815	0.0721	0.0000	314.0828
<b>Total</b>	<b>0.2163</b>	<b>1.9286</b>	<b>2.4484</b>	<b>3.6400e-003</b>		<b>0.0982</b>	<b>0.0982</b>		<b>0.0925</b>	<b>0.0925</b>	<b>0.0000</b>	<b>312.2815</b>	<b>312.2815</b>	<b>0.0721</b>	<b>0.0000</b>	<b>314.0828</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8800e-003	0.3427	0.1006	1.2000e-003	0.0313	3.9000e-004	0.0317	9.0300e-003	3.7000e-004	9.4000e-003	0.0000	116.5063	116.5063	6.4100e-003	0.0000	116.6666
Worker	0.0985	0.0673	0.7927	2.6200e-003	0.2931	2.0800e-003	0.2952	0.0779	1.9100e-003	0.0798	0.0000	236.9978	236.9978	5.5700e-003	0.0000	237.1371
<b>Total</b>	<b>0.1083</b>	<b>0.4099</b>	<b>0.8933</b>	<b>3.8200e-003</b>	<b>0.3244</b>	<b>2.4700e-003</b>	<b>0.3269</b>	<b>0.0869</b>	<b>2.2800e-003</b>	<b>0.0892</b>	<b>0.0000</b>	<b>353.5041</b>	<b>353.5041</b>	<b>0.0120</b>	<b>0.0000</b>	<b>353.8037</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2163	1.9286	2.4484	3.6400e-003		0.0982	0.0982		0.0925	0.0925	0.0000	312.2812	312.2812	0.0721	0.0000	314.0824
<b>Total</b>	<b>0.2163</b>	<b>1.9286</b>	<b>2.4484</b>	<b>3.6400e-003</b>		<b>0.0982</b>	<b>0.0982</b>		<b>0.0925</b>	<b>0.0925</b>	<b>0.0000</b>	<b>312.2812</b>	<b>312.2812</b>	<b>0.0721</b>	<b>0.0000</b>	<b>314.0824</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8800e-003	0.3427	0.1006	1.2000e-003	0.0313	3.9000e-004	0.0317	9.0300e-003	3.7000e-004	9.4000e-003	0.0000	116.5063	116.5063	6.4100e-003	0.0000	116.6666
Worker	0.0985	0.0673	0.7927	2.6200e-003	0.2931	2.0800e-003	0.2952	0.0779	1.9100e-003	0.0798	0.0000	236.9978	236.9978	5.5700e-003	0.0000	237.1371
<b>Total</b>	<b>0.1083</b>	<b>0.4099</b>	<b>0.8933</b>	<b>3.8200e-003</b>	<b>0.3244</b>	<b>2.4700e-003</b>	<b>0.3269</b>	<b>0.0869</b>	<b>2.2800e-003</b>	<b>0.0892</b>	<b>0.0000</b>	<b>353.5041</b>	<b>353.5041</b>	<b>0.0120</b>	<b>0.0000</b>	<b>353.8037</b>

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#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7748					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0180	0.1225	0.1702	2.8000e-004		6.6600e-003	6.6600e-003		6.6600e-003	6.6600e-003	0.0000	24.0006	24.0006	1.4400e-003	0.0000	24.0365
<b>Total</b>	<b>0.7928</b>	<b>0.1225</b>	<b>0.1702</b>	<b>2.8000e-004</b>		<b>6.6600e-003</b>	<b>6.6600e-003</b>		<b>6.6600e-003</b>	<b>6.6600e-003</b>	<b>0.0000</b>	<b>24.0006</b>	<b>24.0006</b>	<b>1.4400e-003</b>	<b>0.0000</b>	<b>24.0365</b>

#### Unmitigated Construction Off-Site

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



Worker	0.0128	8.7500e-003	0.1032	3.4000e-004	0.0382	2.7000e-004	0.0384	0.0101	2.5000e-004	0.0104	0.0000	30.8511	30.8511	7.3000e-004	0.0000	30.8692
<b>Total</b>	<b>0.0128</b>	<b>8.7500e-003</b>	<b>0.1032</b>	<b>3.4000e-004</b>	<b>0.0382</b>	<b>2.7000e-004</b>	<b>0.0384</b>	<b>0.0101</b>	<b>2.5000e-004</b>	<b>0.0104</b>	<b>0.0000</b>	<b>30.8511</b>	<b>30.8511</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>30.8692</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7748					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0180	0.1225	0.1702	2.8000e-004		6.6600e-003	6.6600e-003		6.6600e-003	6.6600e-003	0.0000	24.0006	24.0006	1.4400e-003	0.0000	24.0365
<b>Total</b>	<b>0.7928</b>	<b>0.1225</b>	<b>0.1702</b>	<b>2.8000e-004</b>		<b>6.6600e-003</b>	<b>6.6600e-003</b>		<b>6.6600e-003</b>	<b>6.6600e-003</b>	<b>0.0000</b>	<b>24.0006</b>	<b>24.0006</b>	<b>1.4400e-003</b>	<b>0.0000</b>	<b>24.0365</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0128	8.7500e-003	0.1032	3.4000e-004	0.0382	2.7000e-004	0.0384	0.0101	2.5000e-004	0.0104	0.0000	30.8511	30.8511	7.3000e-004	0.0000	30.8692
<b>Total</b>	<b>0.0128</b>	<b>8.7500e-003</b>	<b>0.1032</b>	<b>3.4000e-004</b>	<b>0.0382</b>	<b>2.7000e-004</b>	<b>0.0384</b>	<b>0.0101</b>	<b>2.5000e-004</b>	<b>0.0104</b>	<b>0.0000</b>	<b>30.8511</b>	<b>30.8511</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>30.8692</b>

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1649					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6200e-003	0.0244	0.0362	6.0000e-005		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	5.1065	5.1065	2.9000e-004	0.0000	5.1137
<b>Total</b>	<b>0.1685</b>	<b>0.0244</b>	<b>0.0362</b>	<b>6.0000e-005</b>		<b>1.2200e-003</b>	<b>1.2200e-003</b>		<b>1.2200e-003</b>	<b>1.2200e-003</b>	<b>0.0000</b>	<b>5.1065</b>	<b>5.1065</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>5.1137</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5800e-003	1.7000e-003	0.0205	7.0000e-005	8.1200e-003	6.0000e-005	8.1800e-003	2.1600e-003	5.0000e-005	2.2100e-003	0.0000	6.3480	6.3480	1.4000e-004	0.0000	6.3516
<b>Total</b>	<b>2.5800e-003</b>	<b>1.7000e-003</b>	<b>0.0205</b>	<b>7.0000e-005</b>	<b>8.1200e-003</b>	<b>6.0000e-005</b>	<b>8.1800e-003</b>	<b>2.1600e-003</b>	<b>5.0000e-005</b>	<b>2.2100e-003</b>	<b>0.0000</b>	<b>6.3480</b>	<b>6.3480</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>6.3516</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr									MT/yr					
Archit. Coating	0.1649				0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6200e-003	0.0244	0.0362	6.0000e-005	1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	5.1065	5.1065	2.9000e-004	0.0000	5.1137
<b>Total</b>	<b>0.1685</b>	<b>0.0244</b>	<b>0.0362</b>	<b>6.0000e-005</b>	<b>1.2200e-003</b>	<b>1.2200e-003</b>		<b>1.2200e-003</b>	<b>1.2200e-003</b>	<b>0.0000</b>	<b>5.1065</b>	<b>5.1065</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>5.1137</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5800e-003	1.7000e-003	0.0205	7.0000e-005	8.1200e-003	6.0000e-005	8.1800e-003	2.1600e-003	5.0000e-005	2.2100e-003	0.0000	6.3480	6.3480	1.4000e-004	0.0000	6.3516
<b>Total</b>	<b>2.5800e-003</b>	<b>1.7000e-003</b>	<b>0.0205</b>	<b>7.0000e-005</b>	<b>8.1200e-003</b>	<b>6.0000e-005</b>	<b>8.1800e-003</b>	<b>2.1600e-003</b>	<b>5.0000e-005</b>	<b>2.2100e-003</b>	<b>0.0000</b>	<b>6.3480</b>	<b>6.3480</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>6.3516</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0695	0.6802	0.9230	1.4100e-003		0.0343	0.0343		0.0316	0.0316	0.0000	122.5511	122.5511	0.0388	0.0000	123.5221
Paving	1.0100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

<b>Total</b>	<b>0.0706</b>	<b>0.6802</b>	<b>0.9230</b>	<b>1.4100e-003</b>		<b>0.0343</b>	<b>0.0343</b>		<b>0.0316</b>	<b>0.0316</b>	<b>0.0000</b>	<b>122.5511</b>	<b>122.5511</b>	<b>0.0388</b>	<b>0.0000</b>	<b>123.5221</b>
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**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1000e-004	0.0109	3.2000e-003	4.0000e-005	1.0000e-003	1.0000e-005	1.0100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	3.7083	3.7083	2.0000e-004	0.0000	3.7134
Worker	4.3700e-003	2.9800e-003	0.0352	1.2000e-004	0.0130	9.0000e-005	0.0131	3.4500e-003	8.0000e-005	3.5400e-003	0.0000	10.5114	10.5114	2.5000e-004	0.0000	10.5175
<b>Total</b>	<b>4.6800e-003</b>	<b>0.0139</b>	<b>0.0384</b>	<b>1.6000e-004</b>	<b>0.0140</b>	<b>1.0000e-004</b>	<b>0.0141</b>	<b>3.7400e-003</b>	<b>9.0000e-005</b>	<b>3.8400e-003</b>	<b>0.0000</b>	<b>14.2197</b>	<b>14.2197</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>14.2309</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0695	0.6802	0.9230	1.4100e-003		0.0343	0.0343		0.0316	0.0316	0.0000	122.5509	122.5509	0.0388	0.0000	123.5219
Paving	1.0100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0706</b>	<b>0.6802</b>	<b>0.9230</b>	<b>1.4100e-003</b>		<b>0.0343</b>	<b>0.0343</b>		<b>0.0316</b>	<b>0.0316</b>	<b>0.0000</b>	<b>122.5509</b>	<b>122.5509</b>	<b>0.0388</b>	<b>0.0000</b>	<b>123.5219</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1000e-004	0.0109	3.2000e-003	4.0000e-005	1.0000e-003	1.0000e-005	1.0100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	3.7083	3.7083	2.0000e-004	0.0000	3.7134
Worker	4.3700e-003	2.9800e-003	0.0352	1.2000e-004	0.0130	9.0000e-005	0.0131	3.4500e-003	8.0000e-005	3.5400e-003	0.0000	10.5114	10.5114	2.5000e-004	0.0000	10.5175
<b>Total</b>	<b>4.6800e-003</b>	<b>0.0139</b>	<b>0.0384</b>	<b>1.6000e-004</b>	<b>0.0140</b>	<b>1.0000e-004</b>	<b>0.0141</b>	<b>3.7400e-003</b>	<b>9.0000e-005</b>	<b>3.8400e-003</b>	<b>0.0000</b>	<b>14.2197</b>	<b>14.2197</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>14.2309</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.2100e-003	0.0405	0.0585	9.0000e-005		1.9800e-003	1.9800e-003		1.8300e-003	1.8300e-003	0.0000	7.7574	7.7574	2.4600e-003	0.0000	7.8188
Paving	6.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>4.2700e-003</b>	<b>0.0405</b>	<b>0.0585</b>	<b>9.0000e-005</b>		<b>1.9800e-003</b>	<b>1.9800e-003</b>		<b>1.8300e-003</b>	<b>1.8300e-003</b>	<b>0.0000</b>	<b>7.7574</b>	<b>7.7574</b>	<b>2.4600e-003</b>	<b>0.0000</b>	<b>7.8188</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	6.9000e-004	2.0000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2339	0.2339	1.0000e-005	0.0000	0.2342
Worker	2.6000e-004	1.7000e-004	2.0800e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6434	0.6434	1.0000e-005	0.0000	0.6437
<b>Total</b>	<b>2.8000e-004</b>	<b>8.6000e-004</b>	<b>2.2800e-003</b>	<b>1.0000e-005</b>	<b>8.8000e-004</b>	<b>1.0000e-005</b>	<b>8.9000e-004</b>	<b>2.4000e-004</b>	<b>1.0000e-005</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>0.8773</b>	<b>0.8773</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.8779</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.2100e-003	0.0405	0.0585	9.0000e-005		1.9800e-003	1.9800e-003		1.8300e-003	1.8300e-003	0.0000	7.7573	7.7573	2.4600e-003	0.0000	7.8188
Paving	6.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>4.2700e-003</b>	<b>0.0405</b>	<b>0.0585</b>	<b>9.0000e-005</b>		<b>1.9800e-003</b>	<b>1.9800e-003</b>		<b>1.8300e-003</b>	<b>1.8300e-003</b>	<b>0.0000</b>	<b>7.7573</b>	<b>7.7573</b>	<b>2.4600e-003</b>	<b>0.0000</b>	<b>7.8188</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	6.9000e-004	2.0000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2339	0.2339	1.0000e-005	0.0000	0.2342

Worker	2.6000e-004	1.7000e-004	2.0800e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6434	0.6434	1.0000e-005	0.0000	0.6437
<b>Total</b>	<b>2.8000e-004</b>	<b>8.6000e-004</b>	<b>2.2800e-003</b>	<b>1.0000e-005</b>	<b>8.8000e-004</b>	<b>1.0000e-005</b>	<b>8.9000e-004</b>	<b>2.4000e-004</b>	<b>1.0000e-005</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>0.8773</b>	<b>0.8773</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.8779</b>

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#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1712	0.0000	0.1712	0.0259	0.0000	0.0259	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0286	0.2263	0.2205	5.3000e-004		9.6900e-003	9.6900e-003		9.1500e-003	9.1500e-003	0.0000	49.3167	49.3167	7.7500e-003	0.0000	49.5104
<b>Total</b>	<b>0.0286</b>	<b>0.2263</b>	<b>0.2205</b>	<b>5.3000e-004</b>	<b>0.1712</b>	<b>9.6900e-003</b>	<b>0.1809</b>	<b>0.0259</b>	<b>9.1500e-003</b>	<b>0.0351</b>	<b>0.0000</b>	<b>49.3167</b>	<b>49.3167</b>	<b>7.7500e-003</b>	<b>0.0000</b>	<b>49.5104</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.3100e-003	0.3074	0.1002	1.4300e-003	0.0344	5.6000e-004	0.0350	9.4400e-003	5.4000e-004	9.9800e-003	0.0000	141.2125	141.2125	9.2000e-003	0.0000	141.4424
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	4.5000e-004	5.4000e-003	2.0000e-005	2.1400e-003	1.0000e-005	2.1500e-003	5.7000e-004	1.0000e-005	5.8000e-004	0.0000	1.6728	1.6728	4.0000e-005	0.0000	1.6737
<b>Total</b>	<b>9.9900e-003</b>	<b>0.3079</b>	<b>0.1056</b>	<b>1.4500e-003</b>	<b>0.0365</b>	<b>5.7000e-004</b>	<b>0.0371</b>	<b>0.0100</b>	<b>5.5000e-004</b>	<b>0.0106</b>	<b>0.0000</b>	<b>142.8853</b>	<b>142.8853</b>	<b>9.2400e-003</b>	<b>0.0000</b>	<b>143.1161</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0445	0.0000	0.0445	6.7400e-003	0.0000	6.7400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0286	0.2263	0.2205	5.3000e-004		9.6900e-003	9.6900e-003		9.1500e-003	9.1500e-003	0.0000	49.3167	49.3167	7.7500e-003	0.0000	49.5104
<b>Total</b>	<b>0.0286</b>	<b>0.2263</b>	<b>0.2205</b>	<b>5.3000e-004</b>	<b>0.0445</b>	<b>9.6900e-003</b>	<b>0.0542</b>	<b>6.7400e-003</b>	<b>9.1500e-003</b>	<b>0.0159</b>	<b>0.0000</b>	<b>49.3167</b>	<b>49.3167</b>	<b>7.7500e-003</b>	<b>0.0000</b>	<b>49.5104</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.3100e-003	0.3074	0.1002	1.4300e-003	0.0344	5.6000e-004	0.0350	9.4400e-003	5.4000e-004	9.9800e-003	0.0000	141.2125	141.2125	9.2000e-003	0.0000	141.4424
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	4.5000e-004	5.4000e-003	2.0000e-005	2.1400e-003	1.0000e-005	2.1500e-003	5.7000e-004	1.0000e-005	5.8000e-004	0.0000	1.6728	1.6728	4.0000e-005	0.0000	1.6737
<b>Total</b>	<b>9.9900e-003</b>	<b>0.3079</b>	<b>0.1056</b>	<b>1.4500e-003</b>	<b>0.0365</b>	<b>5.7000e-004</b>	<b>0.0371</b>	<b>0.0100</b>	<b>5.5000e-004</b>	<b>0.0106</b>	<b>0.0000</b>	<b>142.8853</b>	<b>142.8853</b>	<b>9.2400e-003</b>	<b>0.0000</b>	<b>143.1161</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Fugitive Dust					7.9000e-004	0.0000	7.9000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.9000e-003	0.0457	0.0530	1.1000e-004		2.0000e-003	2.0000e-003		1.8400e-003	1.8400e-003	0.0000	9.9988	9.9988	3.2300e-003	0.0000	10.0796
<b>Total</b>	<b>4.9000e-003</b>	<b>0.0457</b>	<b>0.0530</b>	<b>1.1000e-004</b>	<b>7.9000e-004</b>	<b>2.0000e-003</b>	<b>2.7900e-003</b>	<b>1.2000e-004</b>	<b>1.8400e-003</b>	<b>1.9600e-003</b>	<b>0.0000</b>	<b>9.9988</b>	<b>9.9988</b>	<b>3.2300e-003</b>	<b>0.0000</b>	<b>10.0796</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0700e-003	0.1345	0.0439	6.3000e-004	0.0150	2.5000e-004	0.0153	4.1300e-003	2.4000e-004	4.3600e-003	0.0000	61.7805	61.7805	4.0200e-003	0.0000	61.8810
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.1000e-004	2.5500e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.7892	0.7892	2.0000e-005	0.0000	0.7897
<b>Total</b>	<b>4.3900e-003</b>	<b>0.1347</b>	<b>0.0464</b>	<b>6.4000e-004</b>	<b>0.0161</b>	<b>2.6000e-004</b>	<b>0.0163</b>	<b>4.4000e-003</b>	<b>2.5000e-004</b>	<b>4.6300e-003</b>	<b>0.0000</b>	<b>62.5697</b>	<b>62.5697</b>	<b>4.0400e-003</b>	<b>0.0000</b>	<b>62.6707</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.1000e-004	0.0000	2.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.9000e-003	0.0457	0.0530	1.1000e-004		2.0000e-003	2.0000e-003		1.8400e-003	1.8400e-003	0.0000	9.9988	9.9988	3.2300e-003	0.0000	10.0796

<b>Total</b>	<b>4.9000e-003</b>	<b>0.0457</b>	<b>0.0530</b>	<b>1.1000e-004</b>	<b>2.1000e-004</b>	<b>2.0000e-003</b>	<b>2.2100e-003</b>	<b>3.0000e-005</b>	<b>1.8400e-003</b>	<b>1.8700e-003</b>	<b>0.0000</b>	<b>9.9988</b>	<b>9.9988</b>	<b>3.2300e-003</b>	<b>0.0000</b>	<b>10.0796</b>
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**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0700e-003	0.1345	0.0439	6.3000e-004	0.0150	2.5000e-004	0.0153	4.1300e-003	2.4000e-004	4.3600e-003	0.0000	61.7805	61.7805	4.0200e-003	0.0000	61.8810
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.1000e-004	2.5500e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.7892	0.7892	2.0000e-005	0.0000	0.7897
<b>Total</b>	<b>4.3900e-003</b>	<b>0.1347</b>	<b>0.0464</b>	<b>6.4000e-004</b>	<b>0.0161</b>	<b>2.6000e-004</b>	<b>0.0163</b>	<b>4.4000e-003</b>	<b>2.5000e-004</b>	<b>4.6300e-003</b>	<b>0.0000</b>	<b>62.5697</b>	<b>62.5697</b>	<b>4.0400e-003</b>	<b>0.0000</b>	<b>62.6707</b>

**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	0.2904	1.4037	3.7848	0.0149	1.2797	0.0106	1.2903	0.3429	9.8500e-003	0.3528	0.0000	1,376.5021	1,376.5021	0.0632	0.0000	1,378.0807
Unmitigated	0.2904	1.4037	3.7848	0.0149	1.2797	0.0106	1.2903	0.3429	9.8500e-003	0.3528	0.0000	1,376.5021	1,376.5021	0.0632	0.0000	1,378.0807

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Congregate Care (Assisted Living)	594.58	477.40	529.48	1,942,788	1,942,788
Medical Office Building	505.82	125.44	21.70	991,684	991,684
Parking Lot	0.00	0.00	0.00		
Place of Worship	57.12	65.02	229.67	176,805	176,805
Place of Worship	82.90	94.37	333.33	256,607	256,607
<b>Total</b>	<b>1,240.42</b>	<b>762.23</b>	<b>1,114.18</b>	<b>3,367,883</b>	<b>3,367,883</b>

## 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Congregate Care (Assisted Living)	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11
Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11

## 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Congregate Care (Assisted Living)	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Medical Office Building	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Parking Lot	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Place of Worship	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868

## 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	382.7126	382.7126	0.0158	3.2700e-003	384.0818
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	382.7126	382.7126	0.0158	3.2700e-003	384.0818
NaturalGas Mitigated	0.0158	0.1363	0.0671	8.6000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	156.3000	156.3000	3.0000e-003	2.8700e-003	157.2288
NaturalGas Unmitigated	0.0158	0.1363	0.0671	8.6000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	156.3000	156.3000	3.0000e-003	2.8700e-003	157.2288

## 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					
Congregate Care (Assisted Living)	2.47976e+006	0.0134	0.1143	0.0486	7.3000e-004		9.2400e-003	9.2400e-003		9.2400e-003	9.2400e-003	0.0000	132.3294	132.3294	2.5400e-003	2.4300e-003	133.1157
Medical Office Building	127960	6.9000e-004	6.2700e-003	5.2700e-003	4.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	6.8284	6.8284	1.3000e-004	1.3000e-004	6.8690
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
Place of Worship	131043	7.1000e-004	6.4200e-003	5.4000e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9930	6.9930	1.3000e-004	1.3000e-004	7.0345
Place of Worship	190190	1.0300e-003	9.3200e-003	7.8300e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	10.1493	10.1493	1.9000e-004	1.9000e-004	10.2096
<b>Total</b>		<b>0.0158</b>	<b>0.1363</b>	<b>0.0671</b>	<b>8.7000e-004</b>		<b>0.0109</b>	<b>0.0109</b>		<b>0.0109</b>	<b>0.0109</b>	<b>0.0000</b>	<b>156.3000</b>	<b>156.3000</b>	<b>2.9900e-003</b>	<b>2.8800e-003</b>	<b>157.2288</b>

**Mitigated**

	Natural Gas 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					
Congregate Care (Assisted Living)	2.47976e+006	0.0134	0.1143	0.0486	7.3000e-004		9.2400e-003	9.2400e-003		9.2400e-003	9.2400e-003	0.0000	132.3294	132.3294	2.5400e-003	2.4300e-003	133.1157
Medical Office Building	127960	6.9000e-004	6.2700e-003	5.2700e-003	4.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	6.8284	6.8284	1.3000e-004	1.3000e-004	6.8690
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
Place of Worship	131043	7.1000e-004	6.4200e-003	5.4000e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9930	6.9930	1.3000e-004	1.3000e-004	7.0345
Place of Worship	190190	1.0300e-003	9.3200e-003	7.8300e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	10.1493	10.1493	1.9000e-004	1.9000e-004	10.2096
<b>Total</b>		<b>0.0158</b>	<b>0.1363</b>	<b>0.0671</b>	<b>8.7000e-004</b>		<b>0.0109</b>	<b>0.0109</b>		<b>0.0109</b>	<b>0.0109</b>	<b>0.0000</b>	<b>156.3000</b>	<b>156.3000</b>	<b>2.9900e-003</b>	<b>2.8800e-003</b>	<b>157.2288</b>

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Congregate Care (Assisted Living)	862640	274.8556	0.0114	2.3500e-003	275.8389
Medical Office Building	195860	62.4052	2.5800e-003	5.3000e-004	62.6285
Parking Lot	12775	4.0704	1.7000e-004	3.0000e-005	4.0850
Place of Worship	52981.5	16.8810	7.0000e-004	1.4000e-004	16.9414
Place of Worship	76895	24.5004	1.0100e-003	2.1000e-004	24.5881

<b>Total</b>		<b>382.7126</b>	<b>0.0158</b>	<b>3.2600e-003</b>	<b>384.0818</b>
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**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Congregate Care (Assisted Living)	862640	274.8556	0.0114	2.3500e-003	275.8389
Medical Office Building	195860	62.4052	2.5800e-003	5.3000e-004	62.6285
Parking Lot	12775	4.0704	1.7000e-004	3.0000e-005	4.0850
Place of Worship	52981.5	16.8810	7.0000e-004	1.4000e-004	16.9414
Place of Worship	76895	24.5004	1.0100e-003	2.1000e-004	24.5881
<b>Total</b>		<b>382.7126</b>	<b>0.0158</b>	<b>3.2600e-003</b>	<b>384.0818</b>

**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	1.1922	0.0258	2.2399	1.2000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	3.6585	3.6585	3.5200e-003	0.0000	3.7466

Unmitigated	1.1922	0.0258	2.2399	1.2000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	3.6585	3.6585	3.5200e-003	0.0000	3.7466
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## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0940					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0307					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0676	0.0258	2.2399	1.2000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	3.6585	3.6585	3.5200e-003	0.0000	3.7466
<b>Total</b>	<b>1.1922</b>	<b>0.0258</b>	<b>2.2399</b>	<b>1.2000e-004</b>		<b>0.0124</b>	<b>0.0124</b>		<b>0.0124</b>	<b>0.0124</b>	<b>0.0000</b>	<b>3.6585</b>	<b>3.6585</b>	<b>3.5200e-003</b>	<b>0.0000</b>	<b>3.7466</b>

### 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	0.0940					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0307					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Landscaping	0.0676	0.0258	2.2399	1.2000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	3.6585	3.6585	3.5200e-003	0.0000	3.7466
<b>Total</b>	<b>1.1922</b>	<b>0.0258</b>	<b>2.2399</b>	<b>1.2000e-004</b>		<b>0.0124</b>	<b>0.0124</b>		<b>0.0124</b>	<b>0.0124</b>	<b>0.0000</b>	<b>3.6585</b>	<b>3.6585</b>	<b>3.5200e-003</b>	<b>0.0000</b>	<b>3.7466</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	108.5353	0.5379	0.0135	126.0001
Unmitigated	108.5353	0.5379	0.0135	126.0001

### 7.2 Water by Land Use

#### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Congregate Care (Assisted Living)	14.1384 / 8.91335	94.6948	0.4644	0.0117	109.7767
Medical Office Building	1.75673 / 0.334615	9.0301	0.0576	1.4200e-003	10.8943
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000



Place of Worship	0.480911 / 0.752193	4.8104	0.0159	4.1000e- 004	5.3291
<b>Total</b>		<b>108.5353</b>	<b>0.5379</b>	<b>0.0135</b>	<b>126.0001</b>

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Congregate Care (Assisted Living)	14.1384 / 8.91335	94.6948	0.4644	0.0117	109.7767
Medical Office Building	1.75673 / 0.334615	9.0301	0.0576	1.4200e- 003	10.8943
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0.480911 / 0.752193	4.8104	0.0159	4.1000e- 004	5.3291
<b>Total</b>		<b>108.5353</b>	<b>0.5379</b>	<b>0.0135</b>	<b>126.0001</b>

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	88.6705	5.2403	0.0000	219.6774

Unmitigated	88.6705	5.2403	0.0000	219.6774
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## 8.2 Waste by Land Use

### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Congregate Care (Assisted Living)	198.01	40.1942	2.3754	0.0000	99.5795
Medical Office Building	151.2	30.6922	1.8139	0.0000	76.0387
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	87.61	17.7840	1.0510	0.0000	44.0592
<b>Total</b>		<b>88.6705</b>	<b>5.2403</b>	<b>0.0000</b>	<b>219.6774</b>

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Congregate Care (Assisted Living)	198.01	40.1942	2.3754	0.0000	99.5795
Medical Office Building	151.2	30.6922	1.8139	0.0000	76.0387
Parking Lot	0	0.0000	0.0000	0.0000	0.0000

Place of Worship	87.61	17.7840	1.0510	0.0000	44.0592
<b>Total</b>		<b>88.6705</b>	<b>5.2403</b>	<b>0.0000</b>	<b>219.6774</b>

## 9.0 Operational Offroad

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

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### Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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## 11.0 Vegetation

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BCHD Phase 1 - South Coast AQMD Air District, Winter

**BCHD Phase 1**  
**South Coast AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	14.00	1000sqft	0.32	14,000.00	0
Place of Worship	6.27	1000sqft	0.14	6,270.00	0
Place of Worship	9.10	1000sqft	0.21	9,100.00	0
Parking Lot	91.00	Space	0.82	36,500.00	0
Congregate Care (Assisted Living)	217.00	Dwelling Unit	2.64	255,200.00	297

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	8			<b>Operational Year</b>	2023
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -  
 Land Use - Provided by BCHD.  
 Construction Phase - Provided by BCHD.  
 Trips and VMT - BCHD

Demolition -

Grading -

Woodstoves - BCHD

Construction Off-road Equipment Mitigation - Dust mitigation 2006WRAP.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	61	74
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	61	74
tblConstructionPhase	NumDays	20.00	8.00
tblConstructionPhase	NumDays	5.00	22.00
tblConstructionPhase	NumDays	8.00	27.00
tblConstructionPhase	NumDays	230.00	520.00
tblConstructionPhase	NumDays	18.00	228.00
tblConstructionPhase	NumDays	18.00	168.00
tblConstructionPhase	NumDays	20.00	26.00
tblConstructionPhase	NumDays	8.00	23.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	NumberGas	184.45	0.00
tblFireplaces	NumberNoFireplace	21.70	0.00
tblFireplaces	NumberWood	10.85	0.00
tblGrading	MaterialExported	0.00	20,000.00
tblGrading	MaterialImported	0.00	14,000.00
tblLandUse	LandUseSquareFeet	36,400.00	36,500.00

tblLandUse	LandUseSquareFeet	217,000.00	255,200.00
tblLandUse	LotAcreage	13.56	2.64
tblLandUse	Population	621.00	297.00
tblOffRoadEquipment	HorsePower	231.00	147.00
tblOffRoadEquipment	HorsePower	221.00	362.00
tblOffRoadEquipment	HorsePower	85.00	475.00
tblOffRoadEquipment	HorsePower	85.00	475.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	455.00	1,150.00
tblTripsAndVMT	HaulingTripNumber	3,164.00	4,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,750.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblWoodstoves	NumberCatalytic	10.85	0.00
tblWoodstoves	NumberNoncatalytic	10.85	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					
2022	4.1650	60.7934	30.0402	0.1651	15.0398	1.3093	16.3491	2.6107	1.2327	3.8434	0.0000	17,481.7430	17,481.7430	1.9827	0.0000	17,531.3107
2023	11.8433	26.1455	37.7953	0.0770	2.8571	1.1987	4.0558	0.7630	1.1244	1.8873	0.0000	7,523.9390	7,523.9390	1.2089	0.0000	7,554.1619
2024	9.4843	40.6853	25.2807	0.1508	16.0245	0.7904	16.8150	2.7750	0.7468	3.5218	0.0000	16,166.4615	16,166.4615	1.4543	0.0000	16,202.8185
<b>Maximum</b>	<b>11.8433</b>	<b>60.7934</b>	<b>37.7953</b>	<b>0.1651</b>	<b>16.0245</b>	<b>1.3093</b>	<b>16.8150</b>	<b>2.7750</b>	<b>1.2327</b>	<b>3.8434</b>	<b>0.0000</b>	<b>17,481.7430</b>	<b>17,481.7430</b>	<b>1.9827</b>	<b>0.0000</b>	<b>17,531.3107</b>

### 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					
2022	4.1650	60.7934	30.0402	0.1651	5.9345	1.3093	7.2438	1.2320	1.2327	2.4648	0.0000	17,481.7430	17,481.7430	1.9827	0.0000	17,531.3107
2023	11.8433	26.1455	37.7953	0.0770	2.8571	1.1987	4.0558	0.7630	1.1244	1.8873	0.0000	7,523.9390	7,523.9390	1.2089	0.0000	7,554.1619
2024	9.4843	40.6853	25.2807	0.1508	6.2797	0.7904	7.0702	1.2996	0.7468	2.0464	0.0000	16,166.4615	16,166.4615	1.4543	0.0000	16,202.8185
<b>Maximum</b>	<b>11.8433</b>	<b>60.7934</b>	<b>37.7953</b>	<b>0.1651</b>	<b>6.2797</b>	<b>1.3093</b>	<b>7.2438</b>	<b>1.2996</b>	<b>1.2327</b>	<b>2.4648</b>	<b>0.0000</b>	<b>17,481.7430</b>	<b>17,481.7430</b>	<b>1.9827</b>	<b>0.0000</b>	<b>17,531.3107</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>55.57</b>	<b>0.00</b>	<b>50.65</b>	<b>46.42</b>	<b>0.00</b>	<b>30.85</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## 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	6.7029	0.2065	17.9191	9.5000e-004		0.0992	0.0992		0.0992	0.0992	0.0000	32.2622	32.2622	0.0311	0.0000	33.0389
Energy	0.0865	0.7468	0.3678	4.7200e-003		0.0598	0.0598		0.0598	0.0598		944.0618	944.0618	0.0181	0.0173	949.6719
Mobile	2.2932	10.6035	28.0087	0.1092	9.6634	0.0795	9.7429	2.5854	0.0739	2.6594		11,133.9476	11,133.9476	0.5272		11,147.1269
<b>Total</b>	<b>9.0826</b>	<b>11.5568</b>	<b>46.2955</b>	<b>0.1148</b>	<b>9.6634</b>	<b>0.2385</b>	<b>9.9018</b>	<b>2.5854</b>	<b>0.2329</b>	<b>2.8183</b>	<b>0.0000</b>	<b>12,110.2716</b>	<b>12,110.2716</b>	<b>0.5763</b>	<b>0.0173</b>	<b>12,129.8377</b>

**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	6.7029	0.2065	17.9191	9.5000e-004		0.0992	0.0992		0.0992	0.0992	0.0000	32.2622	32.2622	0.0311	0.0000	33.0389
Energy	0.0865	0.7468	0.3678	4.7200e-003		0.0598	0.0598		0.0598	0.0598		944.0618	944.0618	0.0181	0.0173	949.6719
Mobile	2.2932	10.6035	28.0087	0.1092	9.6634	0.0795	9.7429	2.5854	0.0739	2.6594		11,133.9476	11,133.9476	0.5272		11,147.1269
<b>Total</b>	<b>9.0826</b>	<b>11.5568</b>	<b>46.2955</b>	<b>0.1148</b>	<b>9.6634</b>	<b>0.2385</b>	<b>9.9018</b>	<b>2.5854</b>	<b>0.2329</b>	<b>2.8183</b>	<b>0.0000</b>	<b>12,110.2716</b>	<b>12,110.2716</b>	<b>0.5763</b>	<b>0.0173</b>	<b>12,129.8377</b>

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

**3.0 Construction Detail**



**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	1	Demolition	2/11/2022	2/20/2022	6	8	Phase 1 Asphalt demo
2	2	Site Preparation	2/15/2022	3/11/2022	6	22	Phase 1 Shoring soldier piles
3	3	Grading	3/12/2022	4/11/2022	6	27	Phase 1 Excavation
4	5	Building Construction	4/12/2022	12/7/2023	6	520	Phase 1 Building construction
5	6	Architectural Coating	5/26/2023	2/15/2024	6	228	Phase 1 Finishes
6	4	Paving	6/30/2023	1/11/2024	6	168	Phase 1 Sitework exterior improv
7	7	Demolition	5/3/2024	6/1/2024	6	26	Phase 1 Demo existing hospital
8	8	Grading	6/2/2024	6/28/2024	6	23	Phase 1 Backfill existing basement

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0.82**

**Residential Indoor: 516,780; Residential Outdoor: 172,260; Non-Residential Indoor: 44,055; Non-Residential Outdoor: 14,685; Striped**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
1	Concrete/Industrial Saws	1	8.00	81	0.73
1	Crushing/Proc. Equipment	1	4.00	475	0.78
1	Rubber Tired Dozers	1	8.00	247	0.40
1	Tractors/Loaders/Backhoes	3	8.00	97	0.37
2	Bore/Drill Rigs	1	6.00	362	0.50
2	Cranes	1	6.00	231	0.29
3	Excavators	1	4.00	158	0.38
3	Rubber Tired Loaders	1	6.00	203	0.36
3	Scrapers	1	6.00	367	0.48
5	Cranes	1	4.00	147	0.29

5	Forklifts	3	8.00	89	0.20
5	Generator Sets	1	8.00	84	0.74
5	Tractors/Loaders/Backhoes	3	8.00	97	0.37
5	Welders	1	8.00	46	0.45
6	Air Compressors	1	6.00	78	0.48
4	Cement and Mortar Mixers	1	8.00	9	0.56
4	Pavers	1	8.00	130	0.42
4	Paving Equipment	1	8.00	132	0.36
4	Rollers	2	8.00	80	0.38
4	Tractors/Loaders/Backhoes	1	8.00	97	0.37
7	Concrete/Industrial Saws	1	8.00	81	0.73
7	Crushing/Proc. Equipment	1	4.00	475	0.78
7	Rubber Tired Dozers	1	8.00	247	0.40
7	Tractors/Loaders/Backhoes	3	8.00	97	0.37
8	Excavators	1	4.00	158	0.38
8	Rollers	1	8.00	80	0.38
8	Rubber Tired Loaders	1	6.00	203	0.36

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
1	6	15.00	0.00	1,150.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
2	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
3	3	8.00	0.00	2,500.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
5	9	183.00	34.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
6	1	37.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
4	6	15.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
7	6	15.00	0.00	4,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
8	3	8.00	0.00	1,750.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

#### 3.2 1 - 2022

##### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.3044	0.0000	12.3044	1.8630	0.0000	1.8630			0.0000			0.0000
Off-Road	2.5221	21.1599	17.4467	0.0405		0.9947	0.9947		0.9397	0.9397		4,180.1922	4,180.1922	0.6672		4,196.8731
<b>Total</b>	<b>2.5221</b>	<b>21.1599</b>	<b>17.4467</b>	<b>0.0405</b>	<b>12.3044</b>	<b>0.9947</b>	<b>13.2992</b>	<b>1.8630</b>	<b>0.9397</b>	<b>2.8027</b>		<b>4,180.1922</b>	<b>4,180.1922</b>	<b>0.6672</b>		<b>4,196.8731</b>

##### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0188	33.9625	8.1500	0.1067	2.5118	0.0985	2.6103	0.6884	0.0942	0.7826		11,564.1596	11,564.1596	0.8131		11,584.4881
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0406	0.4687	1.5000e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		149.7805	149.7805	3.7600e-003		149.8745
<b>Total</b>	<b>1.0839</b>	<b>34.0031</b>	<b>8.6187</b>	<b>0.1082</b>	<b>2.6795</b>	<b>0.0997</b>	<b>2.7792</b>	<b>0.7328</b>	<b>0.0953</b>	<b>0.8281</b>		<b>11,713.9401</b>	<b>11,713.9401</b>	<b>0.8169</b>		<b>11,734.3626</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.1992	0.0000	3.1992	0.4844	0.0000	0.4844			0.0000			0.0000
Off-Road	2.5221	21.1599	17.4467	0.0405		0.9947	0.9947		0.9397	0.9397	0.0000	4,180.1922	4,180.1922	0.6672		4,196.8731
<b>Total</b>	<b>2.5221</b>	<b>21.1599</b>	<b>17.4467</b>	<b>0.0405</b>	<b>3.1992</b>	<b>0.9947</b>	<b>4.1939</b>	<b>0.4844</b>	<b>0.9397</b>	<b>1.4241</b>	<b>0.0000</b>	<b>4,180.1922</b>	<b>4,180.1922</b>	<b>0.6672</b>		<b>4,196.8731</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0188	33.9625	8.1500	0.1067	2.5118	0.0985	2.6103	0.6884	0.0942	0.7826		11,564.1596	11,564.1596	0.8131		11,584.4881
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0406	0.4687	1.5000e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		149.7805	149.7805	3.7600e-003		149.8745
<b>Total</b>	<b>1.0839</b>	<b>34.0031</b>	<b>8.6187</b>	<b>0.1082</b>	<b>2.6795</b>	<b>0.0997</b>	<b>2.7792</b>	<b>0.7328</b>	<b>0.0953</b>	<b>0.8281</b>		<b>11,713.9401</b>	<b>11,713.9401</b>	<b>0.8169</b>		<b>11,734.3626</b>

**3.3 2 - 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
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Category	lb/day										lb/day				
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000		0.0000
Off-Road	0.5373	5.6168	3.8186	0.0159		0.2145	0.2145		0.1974	0.1974		1,537.6840	1,537.6840	0.4973	1,550.1169
<b>Total</b>	<b>0.5373</b>	<b>5.6168</b>	<b>3.8186</b>	<b>0.0159</b>	<b>0.0000</b>	<b>0.2145</b>	<b>0.2145</b>	<b>0.0000</b>	<b>0.1974</b>	<b>0.1974</b>		<b>1,537.6840</b>	<b>1,537.6840</b>	<b>0.4973</b>	<b>1,550.1169</b>

**Unmitigated Construction Off-Site**

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.5373	5.6168	3.8186	0.0159		0.2145	0.2145		0.1974	0.1974	0.0000	1,537.6840	1,537.6840	0.4973		1,550.1169

<b>Total</b>	<b>0.5373</b>	<b>5.6168</b>	<b>3.8186</b>	<b>0.0159</b>	<b>0.0000</b>	<b>0.2145</b>	<b>0.2145</b>	<b>0.0000</b>	<b>0.1974</b>	<b>0.1974</b>	<b>0.0000</b>	<b>1,537.6840</b>	<b>1,537.6840</b>	<b>0.4973</b>		<b>1,550.1169</b>
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**Mitigated Construction Off-Site**

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

**3.4 3 - 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
<b>Category</b>	<b>lb/day</b>										<b>lb/day</b>					
Fugitive Dust					0.8792	0.0000	0.8792	0.0986	0.0000	0.0986			0.0000			0.0000
Off-Road	0.9342	9.8649	7.5578	0.0187		0.3809	0.3809		0.3504	0.3504		1,806.9763	1,806.9763	0.5844		1,821.5866
<b>Total</b>	<b>0.9342</b>	<b>9.8649</b>	<b>7.5578</b>	<b>0.0187</b>	<b>0.8792</b>	<b>0.3809</b>	<b>1.2601</b>	<b>0.0986</b>	<b>0.3504</b>	<b>0.4490</b>		<b>1,806.9763</b>	<b>1,806.9763</b>	<b>0.5844</b>		<b>1,821.5866</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6563	21.8760	5.2496	0.0687	1.6650	0.0634	1.7284	0.4550	0.0607	0.5156		7,448.7341	7,448.7341	0.5238		7,461.8281
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0347	0.0217	0.2500	8.0000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		79.8829	79.8829	2.0100e-003		79.9331
<b>Total</b>	<b>0.6910</b>	<b>21.8977</b>	<b>5.4996</b>	<b>0.0695</b>	<b>1.7544</b>	<b>0.0641</b>	<b>1.8185</b>	<b>0.4787</b>	<b>0.0613</b>	<b>0.5399</b>		<b>7,528.6170</b>	<b>7,528.6170</b>	<b>0.5258</b>		<b>7,541.7612</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2286	0.0000	0.2286	0.0256	0.0000	0.0256			0.0000			0.0000
Off-Road	0.9342	9.8649	7.5578	0.0187		0.3809	0.3809		0.3504	0.3504	0.0000	1,806.9763	1,806.9763	0.5844		1,821.5866
<b>Total</b>	<b>0.9342</b>	<b>9.8649</b>	<b>7.5578</b>	<b>0.0187</b>	<b>0.2286</b>	<b>0.3809</b>	<b>0.6095</b>	<b>0.0256</b>	<b>0.3504</b>	<b>0.3761</b>	<b>0.0000</b>	<b>1,806.9763</b>	<b>1,806.9763</b>	<b>0.5844</b>		<b>1,821.5866</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day			
Hauling	0.6563	21.8760	5.2496	0.0687	1.6650	0.0634	1.7284	0.4550	0.0607	0.5156	7,448.7341	7,448.7341	0.5238	7,461.8281
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0347	0.0217	0.2500	8.0000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243	79.8829	79.8829	2.0100e-003	79.9331
<b>Total</b>	<b>0.6910</b>	<b>21.8977</b>	<b>5.4996</b>	<b>0.0695</b>	<b>1.7544</b>	<b>0.0641</b>	<b>1.8185</b>	<b>0.4787</b>	<b>0.0613</b>	<b>0.5399</b>	<b>7,528.6170</b>	<b>7,528.6170</b>	<b>0.5258</b>	<b>7,541.7612</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6133	14.3184	16.8533	0.0249		0.7834	0.7834		0.7376	0.7376	2,356.7348	2,356.7348	2,356.7348	0.5480		2,370.4358
<b>Total</b>	<b>1.6133</b>	<b>14.3184</b>	<b>16.8533</b>	<b>0.0249</b>		<b>0.7834</b>	<b>0.7834</b>		<b>0.7376</b>	<b>0.7376</b>	<b>2,356.7348</b>	<b>2,356.7348</b>	<b>2,356.7348</b>	<b>0.5480</b>		<b>2,370.4358</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0934	3.0658	0.8143	8.3500e-003	0.2176	5.8400e-003	0.2235	0.0627	5.5900e-003	0.0682	891.4604	891.4604	891.4604	0.0579		892.9077



Worker	0.7937	0.4953	5.7183	0.0183	2.0455	0.0146	2.0601	0.5425	0.0135	0.5560		1,827.3218	1,827.3218	0.0459		1,828.4686
<b>Total</b>	<b>0.8872</b>	<b>3.5611</b>	<b>6.5325</b>	<b>0.0267</b>	<b>2.2631</b>	<b>0.0205</b>	<b>2.2836</b>	<b>0.6051</b>	<b>0.0191</b>	<b>0.6242</b>		<b>2,718.7822</b>	<b>2,718.7822</b>	<b>0.1038</b>		<b>2,721.3763</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6133	14.3184	16.8533	0.0249		0.7834	0.7834		0.7376	0.7376	0.0000	2,356.7348	2,356.7348	0.5480		2,370.4358
<b>Total</b>	<b>1.6133</b>	<b>14.3184</b>	<b>16.8533</b>	<b>0.0249</b>		<b>0.7834</b>	<b>0.7834</b>		<b>0.7376</b>	<b>0.7376</b>	<b>0.0000</b>	<b>2,356.7348</b>	<b>2,356.7348</b>	<b>0.5480</b>		<b>2,370.4358</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0934	3.0658	0.8143	8.3500e-003	0.2176	5.8400e-003	0.2235	0.0627	5.5900e-003	0.0682		891.4604	891.4604	0.0579		892.9077
Worker	0.7937	0.4953	5.7183	0.0183	2.0455	0.0146	2.0601	0.5425	0.0135	0.5560		1,827.3218	1,827.3218	0.0459		1,828.4686
<b>Total</b>	<b>0.8872</b>	<b>3.5611</b>	<b>6.5325</b>	<b>0.0267</b>	<b>2.2631</b>	<b>0.0205</b>	<b>2.2836</b>	<b>0.6051</b>	<b>0.0191</b>	<b>0.6242</b>		<b>2,718.7822</b>	<b>2,718.7822</b>	<b>0.1038</b>		<b>2,721.3763</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4811	13.2093	16.7699	0.0249		0.6728	0.6728		0.6337	0.6337		2,357.7499	2,357.7499	0.5440		2,371.3494
<b>Total</b>	<b>1.4811</b>	<b>13.2093</b>	<b>16.7699</b>	<b>0.0249</b>		<b>0.6728</b>	<b>0.6728</b>		<b>0.6337</b>	<b>0.6337</b>		<b>2,357.7499</b>	<b>2,357.7499</b>	<b>0.5440</b>		<b>2,371.3494</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0697	2.3122	0.7200	8.0900e-003	0.2176	2.7400e-003	0.2204	0.0627	2.6200e-003	0.0653		864.8296	864.8296	0.0501		866.0828
Worker	0.7486	0.4480	5.2703	0.0176	2.0455	0.0143	2.0598	0.5425	0.0131	0.5556		1,759.1725	1,759.1725	0.0413		1,760.2056
<b>Total</b>	<b>0.8183</b>	<b>2.7601</b>	<b>5.9903</b>	<b>0.0257</b>	<b>2.2631</b>	<b>0.0170</b>	<b>2.2801</b>	<b>0.6051</b>	<b>0.0157</b>	<b>0.6209</b>		<b>2,624.0021</b>	<b>2,624.0021</b>	<b>0.0915</b>		<b>2,626.2884</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day									lb/day						
Off-Road	1.4811	13.2093	16.7699	0.0249		0.6728	0.6728		0.6337	0.6337	0.0000	2,357.7499	2,357.7499	0.5440		2,371.3494
<b>Total</b>	<b>1.4811</b>	<b>13.2093</b>	<b>16.7699</b>	<b>0.0249</b>		<b>0.6728</b>	<b>0.6728</b>		<b>0.6337</b>	<b>0.6337</b>	<b>0.0000</b>	<b>2,357.7499</b>	<b>2,357.7499</b>	<b>0.5440</b>		<b>2,371.3494</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0697	2.3122	0.7200	8.0900e-003	0.2176	2.7400e-003	0.2204	0.0627	2.6200e-003	0.0653		864.8296	864.8296	0.0501		866.0828
Worker	0.7486	0.4480	5.2703	0.0176	2.0455	0.0143	2.0598	0.5425	0.0131	0.5556		1,759.1725	1,759.1725	0.0413		1,760.2056
<b>Total</b>	<b>0.8183</b>	<b>2.7601</b>	<b>5.9903</b>	<b>0.0257</b>	<b>2.2631</b>	<b>0.0170</b>	<b>2.2801</b>	<b>0.6051</b>	<b>0.0157</b>	<b>0.6209</b>		<b>2,624.0021</b>	<b>2,624.0021</b>	<b>0.0915</b>		<b>2,626.2884</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.2424					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

<b>Total</b>	<b>8.4340</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>
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**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1514	0.0906	1.0656	3.5700e-003	0.4136	2.8800e-003	0.4165	0.1097	2.6500e-003	0.1123		355.6797	355.6797	8.3600e-003		355.8886
<b>Total</b>	<b>0.1514</b>	<b>0.0906</b>	<b>1.0656</b>	<b>3.5700e-003</b>	<b>0.4136</b>	<b>2.8800e-003</b>	<b>0.4165</b>	<b>0.1097</b>	<b>2.6500e-003</b>	<b>0.1123</b>		<b>355.6797</b>	<b>355.6797</b>	<b>8.3600e-003</b>		<b>355.8886</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.2424					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>8.4340</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1514	0.0906	1.0656	3.5700e-003	0.4136	2.8800e-003	0.4165	0.1097	2.6500e-003	0.1123		355.6797	355.6797	8.3600e-003		355.8886
<b>Total</b>	<b>0.1514</b>	<b>0.0906</b>	<b>1.0656</b>	<b>3.5700e-003</b>	<b>0.4136</b>	<b>2.8800e-003</b>	<b>0.4165</b>	<b>0.1097</b>	<b>2.6500e-003</b>	<b>0.1123</b>		<b>355.6797</b>	<b>355.6797</b>	<b>8.3600e-003</b>		<b>355.8886</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.2424					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>8.4231</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1437	0.0825	0.9935	3.4500e-003	0.4136	2.8400e-003	0.4164	0.1097	2.6200e-003	0.1123		343.9603	343.9603	7.6500e-003		344.1516
<b>Total</b>	<b>0.1437</b>	<b>0.0825</b>	<b>0.9935</b>	<b>3.4500e-003</b>	<b>0.4136</b>	<b>2.8400e-003</b>	<b>0.4164</b>	<b>0.1097</b>	<b>2.6200e-003</b>	<b>0.1123</b>		<b>343.9603</b>	<b>343.9603</b>	<b>7.6500e-003</b>		<b>344.1516</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.2424					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>8.4231</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**Mitigated Construction Off-Site**

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

Worker	0.1437	0.0825	0.9935	3.4500e-003	0.4136	2.8400e-003	0.4164	0.1097	2.6200e-003	0.1123		343.9603	343.9603	7.6500e-003		344.1516
<b>Total</b>	<b>0.1437</b>	<b>0.0825</b>	<b>0.9935</b>	<b>3.4500e-003</b>	<b>0.4136</b>	<b>2.8400e-003</b>	<b>0.4164</b>	<b>0.1097</b>	<b>2.6200e-003</b>	<b>0.1123</b>		<b>343.9603</b>	<b>343.9603</b>	<b>7.6500e-003</b>		<b>344.1516</b>

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#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0128					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.8930</b>	<b>8.6098</b>	<b>11.6840</b>	<b>0.0179</b>		<b>0.4338</b>	<b>0.4338</b>		<b>0.4003</b>	<b>0.4003</b>		<b>1,709.9926</b>	<b>1,709.9926</b>	<b>0.5420</b>		<b>1,723.5414</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.1000e-003	0.1360	0.0424	4.8000e-004	0.0128	1.6000e-004	0.0130	3.6900e-003	1.5000e-004	3.8400e-003		50.8723	50.8723	2.9500e-003		50.9460
Worker	0.0614	0.0367	0.4320	1.4500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0455		144.1945	144.1945	3.3900e-003		144.2792
<b>Total</b>	<b>0.0655</b>	<b>0.1727</b>	<b>0.4743</b>	<b>1.9300e-003</b>	<b>0.1805</b>	<b>1.3300e-003</b>	<b>0.1818</b>	<b>0.0482</b>	<b>1.2300e-003</b>	<b>0.0494</b>		<b>195.0668</b>	<b>195.0668</b>	<b>6.3400e-003</b>		<b>195.2252</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0128					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.8930</b>	<b>8.6098</b>	<b>11.6840</b>	<b>0.0179</b>		<b>0.4338</b>	<b>0.4338</b>		<b>0.4003</b>	<b>0.4003</b>	<b>0.0000</b>	<b>1,709.9926</b>	<b>1,709.9926</b>	<b>0.5420</b>		<b>1,723.5414</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.1000e-003	0.1360	0.0424	4.8000e-004	0.0128	1.6000e-004	0.0130	3.6900e-003	1.5000e-004	3.8400e-003		50.8723	50.8723	2.9500e-003		50.9460
Worker	0.0614	0.0367	0.4320	1.4500e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0455		144.1945	144.1945	3.3900e-003		144.2792
<b>Total</b>	<b>0.0655</b>	<b>0.1727</b>	<b>0.4743</b>	<b>1.9300e-003</b>	<b>0.1805</b>	<b>1.3300e-003</b>	<b>0.1818</b>	<b>0.0482</b>	<b>1.2300e-003</b>	<b>0.0494</b>		<b>195.0668</b>	<b>195.0668</b>	<b>6.3400e-003</b>		<b>195.2252</b>

**3.7 4 - 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
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Category	lb/day										lb/day				
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652	1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	0.0128					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
<b>Total</b>	<b>0.8553</b>	<b>8.1030</b>	<b>11.7069</b>	<b>0.0179</b>		<b>0.3957</b>	<b>0.3957</b>		<b>0.3652</b>	<b>0.3652</b>	<b>1,710.2024</b>	<b>1,710.2024</b>	<b>0.5420</b>		<b>1,723.7529</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.0100e-003	0.1357	0.0411	4.7000e-004	0.0128	1.6000e-004	0.0130	3.6900e-003	1.5000e-004	3.8400e-003		50.6993	50.6993	2.9000e-003		50.7718
Worker	0.0582	0.0335	0.4028	1.4000e-003	0.1677	1.1500e-003	0.1688	0.0445	1.0600e-003	0.0455		139.4434	139.4434	3.1000e-003		139.5209
<b>Total</b>	<b>0.0623</b>	<b>0.1692</b>	<b>0.4439</b>	<b>1.8700e-003</b>	<b>0.1805</b>	<b>1.3100e-003</b>	<b>0.1818</b>	<b>0.0482</b>	<b>1.2100e-003</b>	<b>0.0494</b>		<b>190.1427</b>	<b>190.1427</b>	<b>6.0000e-003</b>		<b>190.2927</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8425	8.1030	11.7069	0.0179		0.3957	0.3957		0.3652	0.3652	0.0000	1,710.2024	1,710.2024	0.5420		1,723.7529
Paving	0.0128					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

<b>Total</b>	<b>0.8553</b>	<b>8.1030</b>	<b>11.7069</b>	<b>0.0179</b>		<b>0.3957</b>	<b>0.3957</b>		<b>0.3652</b>	<b>0.3652</b>	<b>0.0000</b>	<b>1,710.2024</b>	<b>1,710.2024</b>	<b>0.5420</b>		<b>1,723.7529</b>
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**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Category</b>	<b>lb/day</b>										<b>lb/day</b>					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.0100e-003	0.1357	0.0411	4.7000e-004	0.0128	1.6000e-004	0.0130	3.6900e-003	1.5000e-004	3.8400e-003		50.6993	50.6993	2.9000e-003		50.7718
Worker	0.0582	0.0335	0.4028	1.4000e-003	0.1677	1.1500e-003	0.1688	0.0445	1.0600e-003	0.0455		139.4434	139.4434	3.1000e-003		139.5209
<b>Total</b>	<b>0.0623</b>	<b>0.1692</b>	<b>0.4439</b>	<b>1.8700e-003</b>	<b>0.1805</b>	<b>1.3100e-003</b>	<b>0.1818</b>	<b>0.0482</b>	<b>1.2100e-003</b>	<b>0.0494</b>		<b>190.1427</b>	<b>190.1427</b>	<b>6.0000e-003</b>		<b>190.2927</b>

**3.8 7 - 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
<b>Category</b>	<b>lb/day</b>										<b>lb/day</b>					
Fugitive Dust					13.1686	0.0000	13.1686	1.9939	0.0000	1.9939			0.0000			0.0000
Off-Road	2.1977	17.4055	16.9578	0.0405		0.7455	0.7455		0.7038	0.7038		4,181.7212	4,181.7212	0.6570		4,198.1468
<b>Total</b>	<b>2.1977</b>	<b>17.4055</b>	<b>16.9578</b>	<b>0.0405</b>	<b>13.1686</b>	<b>0.7455</b>	<b>13.9141</b>	<b>1.9939</b>	<b>0.7038</b>	<b>2.6977</b>		<b>4,181.7212</b>	<b>4,181.7212</b>	<b>0.6570</b>		<b>4,198.1468</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7275	23.2464	7.9202	0.1090	2.6882	0.0438	2.7321	0.7367	0.0419	0.7786		11,845.2969	11,845.2969	0.7942		11,865.1508
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0335	0.4028	1.4000e-003	0.1677	1.1500e-003	0.1688	0.0445	1.0600e-003	0.0455		139.4434	139.4434	3.1000e-003		139.5209
<b>Total</b>	<b>0.7857</b>	<b>23.2798</b>	<b>8.3229</b>	<b>0.1104</b>	<b>2.8559</b>	<b>0.0450</b>	<b>2.9009</b>	<b>0.7812</b>	<b>0.0430</b>	<b>0.8242</b>		<b>11,984.7403</b>	<b>11,984.7403</b>	<b>0.7973</b>		<b>12,004.6717</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.4238	0.0000	3.4238	0.5184	0.0000	0.5184			0.0000			0.0000
Off-Road	2.1977	17.4055	16.9578	0.0405		0.7455	0.7455		0.7038	0.7038	0.0000	4,181.7212	4,181.7212	0.6570		4,198.1468
<b>Total</b>	<b>2.1977</b>	<b>17.4055</b>	<b>16.9578</b>	<b>0.0405</b>	<b>3.4238</b>	<b>0.7455</b>	<b>4.1693</b>	<b>0.5184</b>	<b>0.7038</b>	<b>1.2222</b>	<b>0.0000</b>	<b>4,181.7212</b>	<b>4,181.7212</b>	<b>0.6570</b>		<b>4,198.1468</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day			
Hauling	0.7275	23.2464	7.9202	0.1090	2.6882	0.0438	2.7321	0.7367	0.0419	0.7786	11,845.2969	11,845.2969	0.7942	11,865.1508
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0582	0.0335	0.4028	1.4000e-003	0.1677	1.1500e-003	0.1688	0.0445	1.0600e-003	0.0455	139.4434	139.4434	3.1000e-003	139.5209
<b>Total</b>	<b>0.7857</b>	<b>23.2798</b>	<b>8.3229</b>	<b>0.1104</b>	<b>2.8559</b>	<b>0.0450</b>	<b>2.9009</b>	<b>0.7812</b>	<b>0.0430</b>	<b>0.8242</b>	<b>11,984.7403</b>	<b>11,984.7403</b>	<b>0.7973</b>	<b>12,004.6717</b>

**3.9 8 - 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					0.0688	0.0000	0.0688	0.0104	0.0000	0.0104			0.0000			0.0000
Off-Road	0.4263	3.9716	4.6046	9.9000e-003		0.1736	0.1736		0.1597	0.1597		958.4140	958.4140	0.3100		966.1632
<b>Total</b>	<b>0.4263</b>	<b>3.9716</b>	<b>4.6046</b>	<b>9.9000e-003</b>	<b>0.0688</b>	<b>0.1736</b>	<b>0.2425</b>	<b>0.0104</b>	<b>0.1597</b>	<b>0.1702</b>		<b>958.4140</b>	<b>958.4140</b>	<b>0.3100</b>		<b>966.1632</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3598	11.4968	3.9170	0.0539	1.3295	0.0217	1.3512	0.3644	0.0207	0.3851		5,858.2718	5,858.2718	0.3928		5,868.0909
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0311	0.0178	0.2148	7.5000e-004	0.0894	6.1000e-004	0.0900	0.0237	5.7000e-004	0.0243		74.3698	74.3698	1.6500e-003		74.4112
<b>Total</b>	<b>0.3909</b>	<b>11.5147</b>	<b>4.1318</b>	<b>0.0546</b>	<b>1.4189</b>	<b>0.0223</b>	<b>1.4412</b>	<b>0.3881</b>	<b>0.0213</b>	<b>0.4094</b>		<b>5,932.6416</b>	<b>5,932.6416</b>	<b>0.3944</b>		<b>5,942.5020</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0179	0.0000	0.0179	2.7100e-003	0.0000	2.7100e-003			0.0000			0.0000
Off-Road	0.4263	3.9716	4.6046	9.9000e-003		0.1736	0.1736		0.1597	0.1597	0.0000	958.4140	958.4140	0.3100		966.1632
<b>Total</b>	<b>0.4263</b>	<b>3.9716</b>	<b>4.6046</b>	<b>9.9000e-003</b>	<b>0.0179</b>	<b>0.1736</b>	<b>0.1915</b>	<b>2.7100e-003</b>	<b>0.1597</b>	<b>0.1625</b>	<b>0.0000</b>	<b>958.4140</b>	<b>958.4140</b>	<b>0.3100</b>		<b>966.1632</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3598	11.4968	3.9170	0.0539	1.3295	0.0217	1.3512	0.3644	0.0207	0.3851		5,858.2718	5,858.2718	0.3928		5,868.0909
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0311	0.0178	0.2148	7.5000e-004	0.0894	6.1000e-004	0.0900	0.0237	5.7000e-004	0.0243		74.3698	74.3698	1.6500e-003		74.4112
<b>Total</b>	<b>0.3909</b>	<b>11.5147</b>	<b>4.1318</b>	<b>0.0546</b>	<b>1.4189</b>	<b>0.0223</b>	<b>1.4412</b>	<b>0.3881</b>	<b>0.0213</b>	<b>0.4094</b>		<b>5,932.6416</b>	<b>5,932.6416</b>	<b>0.3944</b>		<b>5,942.5020</b>

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2932	10.6035	28.0087	0.1092	9.6634	0.0795	9.7429	2.5854	0.0739	2.6594		11,133.9476	11,133.9476	0.5272		11,147.1269
Unmitigated	2.2932	10.6035	28.0087	0.1092	9.6634	0.0795	9.7429	2.5854	0.0739	2.6594		11,133.9476	11,133.9476	0.5272		11,147.1269

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Congregate Care (Assisted Living)	594.58	477.40	529.48	1,942,788	1,942,788
Medical Office Building	505.82	125.44	21.70	991,684	991,684
Parking Lot	0.00	0.00	0.00		
Place of Worship	57.12	65.02	229.67	176,805	176,805
Place of Worship	82.90	94.37	333.33	256,607	256,607
<b>Total</b>	<b>1,240.42</b>	<b>762.23</b>	<b>1,114.18</b>	<b>3,367,883</b>	<b>3,367,883</b>

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Congregate Care (Assisted Living)	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11

Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11
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#### 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Congregate Care (Assisted Living)	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Medical Office Building	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Parking Lot	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Place of Worship	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868

#### 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	0.0865	0.7468	0.3678	4.7200e-003		0.0598	0.0598		0.0598	0.0598			944.0618	944.0618	0.0181	0.0173	949.6719
NaturalGas Unmitigated	0.0865	0.7468	0.3678	4.7200e-003		0.0598	0.0598		0.0598	0.0598			944.0618	944.0618	0.0181	0.0173	949.6719

#### 5.2 Energy by Land Use - NaturalGas

##### Unmitigated

	Natural Gas 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					
Congregate Care (Assisted Living)	6793.86	0.0733	0.6261	0.2664	4.0000e-003		0.0506	0.0506		0.0506	0.0506		799.2776	799.2776	0.0153	0.0147	804.0273
Medical Office Building	350.575	3.7800e-003	0.0344	0.0289	2.1000e-004		2.6100e-003	2.6100e-003		2.6100e-003	2.6100e-003		41.2442	41.2442	7.9000e-004	7.6000e-004	41.4893
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
Place of Worship	359.022	3.8700e-003	0.0352	0.0296	2.1000e-004		2.6800e-003	2.6800e-003		2.6800e-003	2.6800e-003		42.2379	42.2379	8.1000e-004	7.7000e-004	42.4889
Place of Worship	521.068	5.6200e-003	0.0511	0.0429	3.1000e-004		3.8800e-003	3.8800e-003		3.8800e-003	3.8800e-003		61.3022	61.3022	1.1700e-003	1.1200e-003	61.6665
<b>Total</b>		<b>0.0865</b>	<b>0.7468</b>	<b>0.3678</b>	<b>4.7300e-003</b>		<b>0.0598</b>	<b>0.0598</b>		<b>0.0598</b>	<b>0.0598</b>		<b>944.0618</b>	<b>944.0618</b>	<b>0.0181</b>	<b>0.0173</b>	<b>949.6719</b>

**Mitigated**

	Natural Gas 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					
Congregate Care (Assisted Living)	6.79386	0.0733	0.6261	0.2664	4.0000e-003		0.0506	0.0506		0.0506	0.0506		799.2776	799.2776	0.0153	0.0147	804.0273
Medical Office Building	0.350575	3.7800e-003	0.0344	0.0289	2.1000e-004		2.6100e-003	2.6100e-003		2.6100e-003	2.6100e-003		41.2442	41.2442	7.9000e-004	7.6000e-004	41.4893
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
Place of Worship	0.359022	3.8700e-003	0.0352	0.0296	2.1000e-004		2.6800e-003	2.6800e-003		2.6800e-003	2.6800e-003		42.2379	42.2379	8.1000e-004	7.7000e-004	42.4889
Place of Worship	0.521068	5.6200e-003	0.0511	0.0429	3.1000e-004		3.8800e-003	3.8800e-003		3.8800e-003	3.8800e-003		61.3022	61.3022	1.1700e-003	1.1200e-003	61.6665
<b>Total</b>		<b>0.0865</b>	<b>0.7468</b>	<b>0.3678</b>	<b>4.7300e-003</b>		<b>0.0598</b>	<b>0.0598</b>		<b>0.0598</b>	<b>0.0598</b>		<b>944.0618</b>	<b>944.0618</b>	<b>0.0181</b>	<b>0.0173</b>	<b>949.6719</b>

**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	6.7029	0.2065	17.9191	9.5000e-004		0.0992	0.0992		0.0992	0.0992	0.0000	32.2622	32.2622	0.0311	0.0000	33.0389
Unmitigated	6.7029	0.2065	17.9191	9.5000e-004		0.0992	0.0992		0.0992	0.0992	0.0000	32.2622	32.2622	0.0311	0.0000	33.0389

## 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	0.5149					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.5406	0.2065	17.9191	9.5000e-004		0.0992	0.0992		0.0992	0.0992		32.2622	32.2622	0.0311		33.0389
<b>Total</b>	<b>6.7029</b>	<b>0.2065</b>	<b>17.9191</b>	<b>9.5000e-004</b>		<b>0.0992</b>	<b>0.0992</b>		<b>0.0992</b>	<b>0.0992</b>	<b>0.0000</b>	<b>32.2622</b>	<b>32.2622</b>	<b>0.0311</b>	<b>0.0000</b>	<b>33.0389</b>

**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	0.5149					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.5406	0.2065	17.9191	9.5000e-004		0.0992	0.0992		0.0992	0.0992		32.2622	32.2622	0.0311		33.0389
<b>Total</b>	<b>6.7029</b>	<b>0.2065</b>	<b>17.9191</b>	<b>9.5000e-004</b>		<b>0.0992</b>	<b>0.0992</b>		<b>0.0992</b>	<b>0.0992</b>	<b>0.0000</b>	<b>32.2622</b>	<b>32.2622</b>	<b>0.0311</b>	<b>0.0000</b>	<b>33.0389</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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BCHD Phase 2 - South Coast AQMD Air District, Annual

**BCHD Phase 2**  
**South Coast AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	50.00	1000sqft	1.15	50,000.00	0
Place of Worship	37.15	1000sqft	0.85	37,150.00	0
Enclosed Parking with Elevator	739.00	Space	6.65	295,600.00	0
Health Club	51.30	1000sqft	1.18	51,300.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	8			<b>Operational Year</b>	2032
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use -

Trips and VMT - BCHD

Demolition -

Grading -

Construction Off-road Equipment Mitigation - 2006WRAP fugitive dust

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	61	74
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	61	74
tblConstructionPhase	NumDays	20.00	190.00
tblConstructionPhase	NumDays	20.00	190.00
tblConstructionPhase	NumDays	20.00	190.00
tblConstructionPhase	NumDays	230.00	466.00
tblConstructionPhase	NumDays	230.00	466.00
tblConstructionPhase	NumDays	230.00	598.00
tblConstructionPhase	NumDays	230.00	387.00
tblConstructionPhase	NumDays	20.00	72.00
tblConstructionPhase	NumDays	20.00	27.00
tblConstructionPhase	NumDays	20.00	165.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblGrading	MaterialExported	0.00	11,000.00
tblOffRoadEquipment	HorsePower	231.00	147.00
tblOffRoadEquipment	HorsePower	231.00	147.00
tblOffRoadEquipment	HorsePower	231.00	147.00
tblOffRoadEquipment	HorsePower	231.00	147.00

tblOffRoadEquipment	HorsePower	85.00	475.00
tblOffRoadEquipment	HorsePower	97.00	165.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	3,075.00	1,944.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

## 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					
2029	0.1292	1.1729	1.2480	4.2800e-003	0.1959	0.0351	0.2310	0.0413	0.0329	0.0742	0.0000	402.7459	402.7459	0.0534	0.0000	404.0808
2030	1.0542	4.6883	7.2484	0.0252	1.4015	0.0465	1.4480	0.3781	0.0459	0.4240	0.0000	2,315.1398	2,315.1398	0.0863	0.0000	2,317.2980
2031	2.2016	3.5366	5.8944	0.0184	0.9472	0.0519	0.9991	0.2552	0.0516	0.3068	0.0000	1,668.7523	1,668.7523	0.0622	0.0000	1,670.3073
<b>Maximum</b>	<b>2.2016</b>	<b>4.6883</b>	<b>7.2484</b>	<b>0.0252</b>	<b>1.4015</b>	<b>0.0519</b>	<b>1.4480</b>	<b>0.3781</b>	<b>0.0516</b>	<b>0.4240</b>	<b>0.0000</b>	<b>2,315.1398</b>	<b>2,315.1398</b>	<b>0.0863</b>	<b>0.0000</b>	<b>2,317.2980</b>

### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2029	0.1292	1.1729	1.2480	4.2800e-003	0.1259	0.0351	0.1610	0.0311	0.0329	0.0639	0.0000	402.7457	402.7457	0.0534	0.0000	404.0806
2030	1.0542	4.6883	7.2484	0.0252	1.4015	0.0465	1.4480	0.3781	0.0459	0.4240	0.0000	2,315.1390	2,315.1390	0.0863	0.0000	2,317.2972
2031	2.2016	3.5366	5.8944	0.0184	0.9472	0.0519	0.9991	0.2552	0.0516	0.3068	0.0000	1,668.7516	1,668.7516	0.0622	0.0000	1,670.3066
<b>Maximum</b>	<b>2.2016</b>	<b>4.6883</b>	<b>7.2484</b>	<b>0.0252</b>	<b>1.4015</b>	<b>0.0519</b>	<b>1.4480</b>	<b>0.3781</b>	<b>0.0516</b>	<b>0.4240</b>	<b>0.0000</b>	<b>2,315.1390</b>	<b>2,315.1390</b>	<b>0.0863</b>	<b>0.0000</b>	<b>2,317.2972</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Percent Reduction	0.00	0.00	0.00	0.00	2.75	0.00	2.61	1.52	0.00	1.27	0.00	0.00	0.00	0.00	0.00	0.00
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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	9-1-2029	11-30-2029	2.1092	2.1092
2	12-1-2029	2-28-2030	0.6348	0.6348
3	3-1-2030	5-31-2030	1.4392	1.4392
4	6-1-2030	8-31-2030	1.4366	1.4366
5	9-1-2030	11-30-2030	1.7007	1.7007
6	12-1-2030	2-28-2031	2.1571	2.1571
7	3-1-2031	5-31-2031	2.1078	2.1078
8	6-1-2031	8-31-2031	1.2904	1.2904
9	9-1-2031	9-30-2031	0.2097	0.2097
		Highest	2.1571	2.1571

## 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	0.5887	1.0000e-004	0.0111	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0218	0.0218	6.0000e-005	0.0000	0.0232
Energy	0.0124	0.1130	0.0949	6.8000e-004		8.5900e-003	8.5900e-003		8.5900e-003	8.5900e-003	0.0000	1,135.9711	1,135.9711	0.0442	0.0109	1,140.3261
Mobile	0.5231	3.2072	6.0490	0.0295	3.0071	0.0167	3.0238	0.8055	0.0155	0.8210	0.0000	2,751.6613	2,751.6613	0.1123	0.0000	2,754.4682
Waste						0.0000	0.0000		0.0000	0.0000	211.9550	0.0000	211.9550	12.5262	0.0000	525.1097
Water						0.0000	0.0000		0.0000	0.0000	3.3218	60.6883	64.0101	0.3437	8.5700e-003	75.1574
<b>Total</b>	<b>1.1243</b>	<b>3.3203</b>	<b>6.1551</b>	<b>0.0302</b>	<b>3.0071</b>	<b>0.0253</b>	<b>3.0324</b>	<b>0.8055</b>	<b>0.0241</b>	<b>0.8296</b>	<b>215.2768</b>	<b>3,948.3425</b>	<b>4,163.6194</b>	<b>13.0264</b>	<b>0.0195</b>	<b>4,495.0845</b>



**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	0.5887	1.0000e-004	0.0111	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0218	0.0218	6.0000e-005	0.0000	0.0232
Energy	0.0124	0.1130	0.0949	6.8000e-004		8.5900e-003	8.5900e-003		8.5900e-003	8.5900e-003	0.0000	1,135.9711	1,135.9711	0.0442	0.0109	1,140.3261
Mobile	0.5231	3.2072	6.0490	0.0295	3.0071	0.0167	3.0238	0.8055	0.0155	0.8210	0.0000	2,751.6613	2,751.6613	0.1123	0.0000	2,754.4682
Waste						0.0000	0.0000		0.0000	0.0000	211.9550	0.0000	211.9550	12.5262	0.0000	525.1097
Water						0.0000	0.0000		0.0000	0.0000	3.3218	60.6883	64.0101	0.3437	8.5700e-003	75.1574
<b>Total</b>	<b>1.1243</b>	<b>3.3203</b>	<b>6.1551</b>	<b>0.0302</b>	<b>3.0071</b>	<b>0.0253</b>	<b>3.0324</b>	<b>0.8055</b>	<b>0.0241</b>	<b>0.8296</b>	<b>215.2768</b>	<b>3,948.3425</b>	<b>4,163.6194</b>	<b>13.0264</b>	<b>0.0195</b>	<b>4,495.0845</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	9	Demolition	9/2/2029	11/25/2029	6	72	Phase 2 Demo 512 parking structure and 510
2	10	Grading	9/25/2029	10/25/2029	6	27	Phase 2 Excavation utilities parking structure lev1
3	12	Building Construction	10/28/2029	4/24/2031	6	466	Phase 2 Building construction WP
4	14	Building Construction	1/28/2030	7/24/2031	6	466	Phase 2 Building construction AC CHE SOG
5	18	Building Construction	1/28/2030	12/25/2031	6	598	Phase 2 Garage construction
6	16	Building Construction	2/28/2030	5/24/2031	6	387	Phase 2 Building construction MOB

7	13	Architectural Coating	9/15/2030	4/24/2031	6	190	Phase 2 Finishes WP
8	15	Architectural Coating	12/15/2030	7/24/2031	6	190	Phase 2 Finishes AC CHF
9	17	Architectural Coating	1/15/2031	8/24/2031	6	190	Phase 2 Finishes MOB
10	11	Paving	6/19/2031	12/28/2031	6	165	Phase 2 Sitework exterior improv

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 6.65**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 207,675; Non-Residential Outdoor: 69,225; Striped Parking Area:**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
9	Concrete/Industrial Saws	1	8.00	81	0.73
9	Crushing/Proc. Equipment	1	4.00	475	0.78
9	Rubber Tired Dozers	1	8.00	247	0.40
9	Tractors/Loaders/Backhoes	3	8.00	165	0.37
10	Excavators	1	4.00	158	0.38
10	Rubber Tired Loaders	1	6.00	203	0.36
10	Scrapers	1	6.00	367	0.48
12	Cranes	1	4.00	147	0.29
12	Forklifts	2	6.00	89	0.20
12	Tractors/Loaders/Backhoes	2	8.00	97	0.37
14	Cranes	1	4.00	147	0.29
14	Forklifts	2	6.00	89	0.20
14	Tractors/Loaders/Backhoes	2	8.00	97	0.37
18	Cranes	1	4.00	147	0.29
18	Forklifts	2	6.00	89	0.20
18	Tractors/Loaders/Backhoes	2	8.00	97	0.37
16	Cranes	1	4.00	147	0.29

16	Forklifts	2	6.00	89	0.20
16	Tractors/Loaders/Backhoes	2	8.00	97	0.37
13	Air Compressors	1	6.00	78	0.48
15	Air Compressors	1	6.00	78	0.48
17	Air Compressors	1	6.00	78	0.48
11	Cement and Mortar Mixers	1	8.00	9	0.56
11	Pavers	1	8.00	130	0.42
11	Paving Equipment	1	8.00	132	0.36
11	Rollers	2	8.00	80	0.38
11	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
9	6	15.00	0.00	1,944.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
10	3	8.00	0.00	1,375.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
12	5	177.00	71.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
14	5	177.00	71.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
18	5	177.00	71.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
16	5	177.00	71.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
13	1	35.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
15	1	35.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
17	1	35.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
11	6	15.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

### 3.2 9 - 2029

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0832	0.0000	0.0832	0.0126	0.0000	0.0126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0788	0.5679	0.7225	1.6800e-003		0.0241	0.0241		0.0227	0.0227	0.0000	156.5144	156.5144	0.0277	0.0000	157.2077
<b>Total</b>	<b>0.0788</b>	<b>0.5679</b>	<b>0.7225</b>	<b>1.6800e-003</b>	<b>0.0832</b>	<b>0.0241</b>	<b>0.1073</b>	<b>0.0126</b>	<b>0.0227</b>	<b>0.0353</b>	<b>0.0000</b>	<b>156.5144</b>	<b>156.5144</b>	<b>0.0277</b>	<b>0.0000</b>	<b>157.2077</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3700e-003	0.1385	0.0500	6.8000e-004	0.0167	2.5000e-004	0.0170	4.5900e-003	2.4000e-004	4.8300e-003	0.0000	67.0108	67.0108	4.3500e-003	0.0000	67.1196
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4600e-003	8.2000e-004	0.0108	4.0000e-005	5.9200e-003	3.0000e-005	5.9600e-003	1.5700e-003	3.0000e-005	1.6000e-003	0.0000	3.9219	3.9219	7.0000e-005	0.0000	3.9236
<b>Total</b>	<b>5.8300e-003</b>	<b>0.1393</b>	<b>0.0608</b>	<b>7.2000e-004</b>	<b>0.0226</b>	<b>2.8000e-004</b>	<b>0.0229</b>	<b>6.1600e-003</b>	<b>2.7000e-004</b>	<b>6.4300e-003</b>	<b>0.0000</b>	<b>70.9327</b>	<b>70.9327</b>	<b>4.4200e-003</b>	<b>0.0000</b>	<b>71.0432</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr									MT/yr						
Fugitive Dust					0.0216	0.0000	0.0216	3.2700e-003	0.0000	3.2700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0788	0.5679	0.7225	1.6800e-003		0.0241	0.0241		0.0227	0.0227	0.0000	156.5142	156.5142	0.0277	0.0000	157.2076
<b>Total</b>	<b>0.0788</b>	<b>0.5679</b>	<b>0.7225</b>	<b>1.6800e-003</b>	<b>0.0216</b>	<b>0.0241</b>	<b>0.0457</b>	<b>3.2700e-003</b>	<b>0.0227</b>	<b>0.0260</b>	<b>0.0000</b>	<b>156.5142</b>	<b>156.5142</b>	<b>0.0277</b>	<b>0.0000</b>	<b>157.2076</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3700e-003	0.1385	0.0500	6.8000e-004	0.0167	2.5000e-004	0.0170	4.5900e-003	2.4000e-004	4.8300e-003	0.0000	67.0108	67.0108	4.3500e-003	0.0000	67.1196
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4600e-003	8.2000e-004	0.0108	4.0000e-005	5.9200e-003	3.0000e-005	5.9600e-003	1.5700e-003	3.0000e-005	1.6000e-003	0.0000	3.9219	3.9219	7.0000e-005	0.0000	3.9236
<b>Total</b>	<b>5.8300e-003</b>	<b>0.1393</b>	<b>0.0608</b>	<b>7.2000e-004</b>	<b>0.0226</b>	<b>2.8000e-004</b>	<b>0.0229</b>	<b>6.1600e-003</b>	<b>2.7000e-004</b>	<b>6.4300e-003</b>	<b>0.0000</b>	<b>70.9327</b>	<b>70.9327</b>	<b>4.4200e-003</b>	<b>0.0000</b>	<b>71.0432</b>

**3.3 10 - 2029**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0114	0.0000	0.0114	1.2500e-003	0.0000	1.2500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0102	0.0916	0.0914	2.5000e-004		3.5800e-003	3.5800e-003		3.2900e-003	3.2900e-003	0.0000	22.1119	22.1119	7.1500e-003	0.0000	22.2907

<b>Total</b>	<b>0.0102</b>	<b>0.0916</b>	<b>0.0914</b>	<b>2.5000e-004</b>	<b>0.0114</b>	<b>3.5800e-003</b>	<b>0.0149</b>	<b>1.2500e-003</b>	<b>3.2900e-003</b>	<b>4.5400e-003</b>	<b>0.0000</b>	<b>22.1119</b>	<b>22.1119</b>	<b>7.1500e-003</b>	<b>0.0000</b>	<b>22.2907</b>
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**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0900e-003	0.0980	0.0354	4.8000e-004	0.0118	1.8000e-004	0.0120	3.2400e-003	1.7000e-004	3.4200e-003	0.0000	47.3970	47.3970	3.0800e-003	0.0000	47.4740
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	1.6000e-004	2.1500e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.7844	0.7844	1.0000e-005	0.0000	0.7847
<b>Total</b>	<b>3.3800e-003</b>	<b>0.0981</b>	<b>0.0375</b>	<b>4.9000e-004</b>	<b>0.0130</b>	<b>1.9000e-004</b>	<b>0.0132</b>	<b>3.5500e-003</b>	<b>1.8000e-004</b>	<b>3.7400e-003</b>	<b>0.0000</b>	<b>48.1814</b>	<b>48.1814</b>	<b>3.0900e-003</b>	<b>0.0000</b>	<b>48.2587</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.9500e-003	0.0000	2.9500e-003	3.3000e-004	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0102	0.0916	0.0914	2.5000e-004		3.5800e-003	3.5800e-003		3.2900e-003	3.2900e-003	0.0000	22.1119	22.1119	7.1500e-003	0.0000	22.2907
<b>Total</b>	<b>0.0102</b>	<b>0.0916</b>	<b>0.0914</b>	<b>2.5000e-004</b>	<b>2.9500e-003</b>	<b>3.5800e-003</b>	<b>6.5300e-003</b>	<b>3.3000e-004</b>	<b>3.2900e-003</b>	<b>3.6200e-003</b>	<b>0.0000</b>	<b>22.1119</b>	<b>22.1119</b>	<b>7.1500e-003</b>	<b>0.0000</b>	<b>22.2907</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0900e-003	0.0980	0.0354	4.8000e-004	0.0118	1.8000e-004	0.0120	3.2400e-003	1.7000e-004	3.4200e-003	0.0000	47.3970	47.3970	3.0800e-003	0.0000	47.4740
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	1.6000e-004	2.1500e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.7844	0.7844	1.0000e-005	0.0000	0.7847
<b>Total</b>	<b>3.3800e-003</b>	<b>0.0981</b>	<b>0.0375</b>	<b>4.9000e-004</b>	<b>0.0130</b>	<b>1.9000e-004</b>	<b>0.0132</b>	<b>3.5500e-003</b>	<b>1.8000e-004</b>	<b>3.7400e-003</b>	<b>0.0000</b>	<b>48.1814</b>	<b>48.1814</b>	<b>3.0900e-003</b>	<b>0.0000</b>	<b>48.2587</b>

### 3.4 12 - 2029

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0143	0.1399	0.2039	2.9000e-004		6.5000e-003	6.5000e-003		5.9800e-003	5.9800e-003	0.0000	25.0631	25.0631	8.1100e-003	0.0000	25.2658
<b>Total</b>	<b>0.0143</b>	<b>0.1399</b>	<b>0.2039</b>	<b>2.9000e-004</b>		<b>6.5000e-003</b>	<b>6.5000e-003</b>		<b>5.9800e-003</b>	<b>5.9800e-003</b>	<b>0.0000</b>	<b>25.0631</b>	<b>25.0631</b>	<b>8.1100e-003</b>	<b>0.0000</b>	<b>25.2658</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.4400e-003	0.1288	0.0351	4.6000e-004	0.0123	1.4000e-004	0.0125	3.5500e-003	1.3000e-004	3.6800e-003	0.0000	44.5909	44.5909	2.2900e-003	0.0000	44.6482
Worker	0.0132	7.3800e-003	0.0969	3.9000e-004	0.0534	2.9000e-004	0.0537	0.0142	2.7000e-004	0.0145	0.0000	35.3515	35.3515	6.0000e-004	0.0000	35.3666
<b>Total</b>	<b>0.0166</b>	<b>0.1362</b>	<b>0.1320</b>	<b>8.5000e-004</b>	<b>0.0657</b>	<b>4.3000e-004</b>	<b>0.0661</b>	<b>0.0177</b>	<b>4.0000e-004</b>	<b>0.0181</b>	<b>0.0000</b>	<b>79.9424</b>	<b>79.9424</b>	<b>2.8900e-003</b>	<b>0.0000</b>	<b>80.0147</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0143	0.1399	0.2039	2.9000e-004		6.5000e-003	6.5000e-003		5.9800e-003	5.9800e-003	0.0000	25.0631	25.0631	8.1100e-003	0.0000	25.2657
<b>Total</b>	<b>0.0143</b>	<b>0.1399</b>	<b>0.2039</b>	<b>2.9000e-004</b>		<b>6.5000e-003</b>	<b>6.5000e-003</b>		<b>5.9800e-003</b>	<b>5.9800e-003</b>	<b>0.0000</b>	<b>25.0631</b>	<b>25.0631</b>	<b>8.1100e-003</b>	<b>0.0000</b>	<b>25.2657</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.4400e-003	0.1288	0.0351	4.6000e-004	0.0123	1.4000e-004	0.0125	3.5500e-003	1.3000e-004	3.6800e-003	0.0000	44.5909	44.5909	2.2900e-003	0.0000	44.6482



Worker	0.0132	7.3800e-003	0.0969	3.9000e-004	0.0534	2.9000e-004	0.0537	0.0142	2.7000e-004	0.0145	0.0000	35.3515	35.3515	6.0000e-004	0.0000	35.3666
<b>Total</b>	<b>0.0166</b>	<b>0.1362</b>	<b>0.1320</b>	<b>8.5000e-004</b>	<b>0.0657</b>	<b>4.3000e-004</b>	<b>0.0661</b>	<b>0.0177</b>	<b>4.0000e-004</b>	<b>0.0181</b>	<b>0.0000</b>	<b>79.9424</b>	<b>79.9424</b>	<b>2.8900e-003</b>	<b>0.0000</b>	<b>80.0147</b>

### 3.4 12 - 2030

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0896	0.4903	1.2115	1.9800e-003		9.9600e-003	9.9600e-003		9.9600e-003	9.9600e-003	0.0000	170.4708	170.4708	7.1600e-003	0.0000	170.6498
<b>Total</b>	<b>0.0896</b>	<b>0.4903</b>	<b>1.2115</b>	<b>1.9800e-003</b>		<b>9.9600e-003</b>	<b>9.9600e-003</b>		<b>9.9600e-003</b>	<b>9.9600e-003</b>	<b>0.0000</b>	<b>170.4708</b>	<b>170.4708</b>	<b>7.1600e-003</b>	<b>0.0000</b>	<b>170.6498</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0193	0.7276	0.1975	2.6000e-003	0.0700	7.8000e-004	0.0708	0.0202	7.4000e-004	0.0210	0.0000	252.9172	252.9172	0.0129	0.0000	253.2388
Worker	0.0702	0.0386	0.5184	2.1700e-003	0.3039	1.5300e-003	0.3054	0.0807	1.4100e-003	0.0821	0.0000	196.2400	196.2400	3.1400e-003	0.0000	196.3186
<b>Total</b>	<b>0.0895</b>	<b>0.7662</b>	<b>0.7159</b>	<b>4.7700e-003</b>	<b>0.3740</b>	<b>2.3100e-003</b>	<b>0.3763</b>	<b>0.1009</b>	<b>2.1500e-003</b>	<b>0.1031</b>	<b>0.0000</b>	<b>449.1572</b>	<b>449.1572</b>	<b>0.0160</b>	<b>0.0000</b>	<b>449.5574</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0896	0.4903	1.2115	1.9800e-003	9.9600e-003	9.9600e-003	9.9600e-003	9.9600e-003	9.9600e-003	9.9600e-003	0.0000	170.4706	170.4706	7.1600e-003	0.0000	170.6495
<b>Total</b>	<b>0.0896</b>	<b>0.4903</b>	<b>1.2115</b>	<b>1.9800e-003</b>	<b>9.9600e-003</b>	<b>9.9600e-003</b>	<b>9.9600e-003</b>	<b>9.9600e-003</b>	<b>9.9600e-003</b>	<b>9.9600e-003</b>	<b>0.0000</b>	<b>170.4706</b>	<b>170.4706</b>	<b>7.1600e-003</b>	<b>0.0000</b>	<b>170.6495</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0193	0.7276	0.1975	2.6000e-003	0.0700	7.8000e-004	0.0708	0.0202	7.4000e-004	0.0210	0.0000	252.9172	252.9172	0.0129	0.0000	253.2388
Worker	0.0702	0.0386	0.5184	2.1700e-003	0.3039	1.5300e-003	0.3054	0.0807	1.4100e-003	0.0821	0.0000	196.2400	196.2400	3.1400e-003	0.0000	196.3186
<b>Total</b>	<b>0.0895</b>	<b>0.7662</b>	<b>0.7159</b>	<b>4.7700e-003</b>	<b>0.3740</b>	<b>2.3100e-003</b>	<b>0.3763</b>	<b>0.1009</b>	<b>2.1500e-003</b>	<b>0.1031</b>	<b>0.0000</b>	<b>449.1572</b>	<b>449.1572</b>	<b>0.0160</b>	<b>0.0000</b>	<b>449.5574</b>

**3.4 12 - 2031**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr									MT/yr						
Off-Road	0.0281	0.1535	0.3793	6.2000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003	0.0000	53.3742	53.3742	2.2400e-003	0.0000	53.4303
<b>Total</b>	<b>0.0281</b>	<b>0.1535</b>	<b>0.3793</b>	<b>6.2000e-004</b>		<b>3.1200e-003</b>	<b>3.1200e-003</b>		<b>3.1200e-003</b>	<b>3.1200e-003</b>	<b>0.0000</b>	<b>53.3742</b>	<b>53.3742</b>	<b>2.2400e-003</b>	<b>0.0000</b>	<b>53.4303</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0100e-003	0.2269	0.0617	8.1000e-004	0.0219	2.4000e-004	0.0222	6.3300e-003	2.3000e-004	6.5600e-003	0.0000	79.1116	79.1116	3.9900e-003	0.0000	79.2113
Worker	0.0204	0.0110	0.1526	6.6000e-004	0.0952	4.5000e-004	0.0956	0.0253	4.1000e-004	0.0257	0.0000	60.1723	60.1723	9.0000e-004	0.0000	60.1948
<b>Total</b>	<b>0.0264</b>	<b>0.2380</b>	<b>0.2143</b>	<b>1.4700e-003</b>	<b>0.1171</b>	<b>6.9000e-004</b>	<b>0.1178</b>	<b>0.0316</b>	<b>6.4000e-004</b>	<b>0.0322</b>	<b>0.0000</b>	<b>139.2838</b>	<b>139.2838</b>	<b>4.8900e-003</b>	<b>0.0000</b>	<b>139.4061</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0281	0.1535	0.3793	6.2000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003	0.0000	53.3742	53.3742	2.2400e-003	0.0000	53.4302
<b>Total</b>	<b>0.0281</b>	<b>0.1535</b>	<b>0.3793</b>	<b>6.2000e-004</b>		<b>3.1200e-003</b>	<b>3.1200e-003</b>		<b>3.1200e-003</b>	<b>3.1200e-003</b>	<b>0.0000</b>	<b>53.3742</b>	<b>53.3742</b>	<b>2.2400e-003</b>	<b>0.0000</b>	<b>53.4302</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0100e-003	0.2269	0.0617	8.1000e-004	0.0219	2.4000e-004	0.0222	6.3300e-003	2.3000e-004	6.5600e-003	0.0000	79.1116	79.1116	3.9900e-003	0.0000	79.2113
Worker	0.0204	0.0110	0.1526	6.6000e-004	0.0952	4.5000e-004	0.0956	0.0253	4.1000e-004	0.0257	0.0000	60.1723	60.1723	9.0000e-004	0.0000	60.1948
<b>Total</b>	<b>0.0264</b>	<b>0.2380</b>	<b>0.2143</b>	<b>1.4700e-003</b>	<b>0.1171</b>	<b>6.9000e-004</b>	<b>0.1178</b>	<b>0.0316</b>	<b>6.4000e-004</b>	<b>0.0322</b>	<b>0.0000</b>	<b>139.2838</b>	<b>139.2838</b>	<b>4.8900e-003</b>	<b>0.0000</b>	<b>139.4061</b>

**3.5 14 - 2030**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0831	0.4542	1.1225	1.8400e-003		9.2300e-003	9.2300e-003		9.2300e-003	9.2300e-003	0.0000	157.9442	157.9442	6.6300e-003	0.0000	158.1100
<b>Total</b>	<b>0.0831</b>	<b>0.4542</b>	<b>1.1225</b>	<b>1.8400e-003</b>		<b>9.2300e-003</b>	<b>9.2300e-003</b>		<b>9.2300e-003</b>	<b>9.2300e-003</b>	<b>0.0000</b>	<b>157.9442</b>	<b>157.9442</b>	<b>6.6300e-003</b>	<b>0.0000</b>	<b>158.1100</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0179	0.6741	0.1830	2.4100e-003	0.0649	7.2000e-004	0.0656	0.0187	6.9000e-004	0.0194	0.0000	234.3322	234.3322	0.0119	0.0000	234.6302
Worker	0.0651	0.0358	0.4803	2.0100e-003	0.2816	1.4200e-003	0.2830	0.0748	1.3000e-003	0.0761	0.0000	181.8198	181.8198	2.9100e-003	0.0000	181.8926
<b>Total</b>	<b>0.0829</b>	<b>0.7099</b>	<b>0.6633</b>	<b>4.4200e-003</b>	<b>0.3465</b>	<b>2.1400e-003</b>	<b>0.3486</b>	<b>0.0935</b>	<b>1.9900e-003</b>	<b>0.0955</b>	<b>0.0000</b>	<b>416.1520</b>	<b>416.1520</b>	<b>0.0148</b>	<b>0.0000</b>	<b>416.5228</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0831	0.4542	1.1225	1.8400e-003		9.2300e-003	9.2300e-003		9.2300e-003	9.2300e-003	0.0000	157.9440	157.9440	6.6300e-003	0.0000	158.1098
<b>Total</b>	<b>0.0831</b>	<b>0.4542</b>	<b>1.1225</b>	<b>1.8400e-003</b>		<b>9.2300e-003</b>	<b>9.2300e-003</b>		<b>9.2300e-003</b>	<b>9.2300e-003</b>	<b>0.0000</b>	<b>157.9440</b>	<b>157.9440</b>	<b>6.6300e-003</b>	<b>0.0000</b>	<b>158.1098</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0179	0.6741	0.1830	2.4100e-003	0.0649	7.2000e-004	0.0656	0.0187	6.9000e-004	0.0194	0.0000	234.3322	234.3322	0.0119	0.0000	234.6302
Worker	0.0651	0.0358	0.4803	2.0100e-003	0.2816	1.4200e-003	0.2830	0.0748	1.3000e-003	0.0761	0.0000	181.8198	181.8198	2.9100e-003	0.0000	181.8926
<b>Total</b>	<b>0.0829</b>	<b>0.7099</b>	<b>0.6633</b>	<b>4.4200e-003</b>	<b>0.3465</b>	<b>2.1400e-003</b>	<b>0.3486</b>	<b>0.0935</b>	<b>1.9900e-003</b>	<b>0.0955</b>	<b>0.0000</b>	<b>416.1520</b>	<b>416.1520</b>	<b>0.0148</b>	<b>0.0000</b>	<b>416.5228</b>

**3.5 14 - 2031**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0504	0.2757	0.6812	1.1200e-003		5.6000e-003	5.6000e-003		5.6000e-003	5.6000e-003	0.0000	95.8558	95.8558	4.0300e-003	0.0000	95.9564
<b>Total</b>	<b>0.0504</b>	<b>0.2757</b>	<b>0.6812</b>	<b>1.1200e-003</b>		<b>5.6000e-003</b>	<b>5.6000e-003</b>		<b>5.6000e-003</b>	<b>5.6000e-003</b>	<b>0.0000</b>	<b>95.8558</b>	<b>95.8558</b>	<b>4.0300e-003</b>	<b>0.0000</b>	<b>95.9564</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0108	0.4076	0.1108	1.4600e-003	0.0394	4.3000e-004	0.0398	0.0114	4.1000e-004	0.0118	0.0000	142.0780	142.0780	7.1600e-003	0.0000	142.2570

Worker	0.0366	0.0198	0.2740	1.1900e-003	0.1709	8.0000e-004	0.1717	0.0454	7.4000e-004	0.0461	0.0000	108.0645	108.0645	1.6200e-003	0.0000	108.1050
<b>Total</b>	<b>0.0474</b>	<b>0.4274</b>	<b>0.3848</b>	<b>2.6500e-003</b>	<b>0.2103</b>	<b>1.2300e-003</b>	<b>0.2115</b>	<b>0.0567</b>	<b>1.1500e-003</b>	<b>0.0579</b>	<b>0.0000</b>	<b>250.1424</b>	<b>250.1424</b>	<b>8.7800e-003</b>	<b>0.0000</b>	<b>250.3619</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0504	0.2757	0.6812	1.1200e-003		5.6000e-003	5.6000e-003		5.6000e-003	5.6000e-003	0.0000	95.8557	95.8557	4.0300e-003	0.0000	95.9563
<b>Total</b>	<b>0.0504</b>	<b>0.2757</b>	<b>0.6812</b>	<b>1.1200e-003</b>		<b>5.6000e-003</b>	<b>5.6000e-003</b>		<b>5.6000e-003</b>	<b>5.6000e-003</b>	<b>0.0000</b>	<b>95.8557</b>	<b>95.8557</b>	<b>4.0300e-003</b>	<b>0.0000</b>	<b>95.9563</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0108	0.4076	0.1108	1.4600e-003	0.0394	4.3000e-004	0.0398	0.0114	4.1000e-004	0.0118	0.0000	142.0780	142.0780	7.1600e-003	0.0000	142.2570
Worker	0.0366	0.0198	0.2740	1.1900e-003	0.1709	8.0000e-004	0.1717	0.0454	7.4000e-004	0.0461	0.0000	108.0645	108.0645	1.6200e-003	0.0000	108.1050
<b>Total</b>	<b>0.0474</b>	<b>0.4274</b>	<b>0.3848</b>	<b>2.6500e-003</b>	<b>0.2103</b>	<b>1.2300e-003</b>	<b>0.2115</b>	<b>0.0567</b>	<b>1.1500e-003</b>	<b>0.0579</b>	<b>0.0000</b>	<b>250.1424</b>	<b>250.1424</b>	<b>8.7800e-003</b>	<b>0.0000</b>	<b>250.3619</b>

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0831	0.4542	1.1225	1.8400e-003		9.2300e-003	9.2300e-003		9.2300e-003	9.2300e-003	0.0000	157.9442	157.9442	6.6300e-003	0.0000	158.1100
<b>Total</b>	<b>0.0831</b>	<b>0.4542</b>	<b>1.1225</b>	<b>1.8400e-003</b>		<b>9.2300e-003</b>	<b>9.2300e-003</b>		<b>9.2300e-003</b>	<b>9.2300e-003</b>	<b>0.0000</b>	<b>157.9442</b>	<b>157.9442</b>	<b>6.6300e-003</b>	<b>0.0000</b>	<b>158.1100</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0179	0.6741	0.1830	2.4100e-003	0.0649	7.2000e-004	0.0656	0.0187	6.9000e-004	0.0194	0.0000	234.3322	234.3322	0.0119	0.0000	234.6302
Worker	0.0651	0.0358	0.4803	2.0100e-003	0.2816	1.4200e-003	0.2830	0.0748	1.3000e-003	0.0761	0.0000	181.8198	181.8198	2.9100e-003	0.0000	181.8926
<b>Total</b>	<b>0.0829</b>	<b>0.7099</b>	<b>0.6633</b>	<b>4.4200e-003</b>	<b>0.3465</b>	<b>2.1400e-003</b>	<b>0.3486</b>	<b>0.0935</b>	<b>1.9900e-003</b>	<b>0.0955</b>	<b>0.0000</b>	<b>416.1520</b>	<b>416.1520</b>	<b>0.0148</b>	<b>0.0000</b>	<b>416.5228</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr								MT/yr							
Off-Road	0.0831	0.4542	1.1225	1.8400e-003		9.2300e-003	9.2300e-003		9.2300e-003	9.2300e-003	0.0000	157.9440	157.9440	6.6300e-003	0.0000	158.1098
<b>Total</b>	<b>0.0831</b>	<b>0.4542</b>	<b>1.1225</b>	<b>1.8400e-003</b>		<b>9.2300e-003</b>	<b>9.2300e-003</b>		<b>9.2300e-003</b>	<b>9.2300e-003</b>	<b>0.0000</b>	<b>157.9440</b>	<b>157.9440</b>	<b>6.6300e-003</b>	<b>0.0000</b>	<b>158.1098</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0179	0.6741	0.1830	2.4100e-003	0.0649	7.2000e-004	0.0656	0.0187	6.9000e-004	0.0194	0.0000	234.3322	234.3322	0.0119	0.0000	234.6302
Worker	0.0651	0.0358	0.4803	2.0100e-003	0.2816	1.4200e-003	0.2830	0.0748	1.3000e-003	0.0761	0.0000	181.8198	181.8198	2.9100e-003	0.0000	181.8926
<b>Total</b>	<b>0.0829</b>	<b>0.7099</b>	<b>0.6633</b>	<b>4.4200e-003</b>	<b>0.3465</b>	<b>2.1400e-003</b>	<b>0.3486</b>	<b>0.0935</b>	<b>1.9900e-003</b>	<b>0.0955</b>	<b>0.0000</b>	<b>416.1520</b>	<b>416.1520</b>	<b>0.0148</b>	<b>0.0000</b>	<b>416.5228</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0882	0.4824	1.1921	1.9500e-003		9.8000e-003	9.8000e-003		9.8000e-003	9.8000e-003	0.0000	167.7476	167.7476	7.0400e-003	0.0000	167.9237
<b>Total</b>	<b>0.0882</b>	<b>0.4824</b>	<b>1.1921</b>	<b>1.9500e-003</b>		<b>9.8000e-003</b>	<b>9.8000e-003</b>		<b>9.8000e-003</b>	<b>9.8000e-003</b>	<b>0.0000</b>	<b>167.7476</b>	<b>167.7476</b>	<b>7.0400e-003</b>	<b>0.0000</b>	<b>167.9237</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0189	0.7132	0.1939	2.5500e-003	0.0689	7.5000e-004	0.0697	0.0199	7.2000e-004	0.0206	0.0000	248.6364	248.6364	0.0125	0.0000	248.9497
Worker	0.0640	0.0347	0.4795	2.0900e-003	0.2991	1.4100e-003	0.3005	0.0794	1.2900e-003	0.0807	0.0000	189.1128	189.1128	2.8300e-003	0.0000	189.1837
<b>Total</b>	<b>0.0829</b>	<b>0.7479</b>	<b>0.6734</b>	<b>4.6400e-003</b>	<b>0.3680</b>	<b>2.1600e-003</b>	<b>0.3701</b>	<b>0.0993</b>	<b>2.0100e-003</b>	<b>0.1013</b>	<b>0.0000</b>	<b>437.7492</b>	<b>437.7492</b>	<b>0.0154</b>	<b>0.0000</b>	<b>438.1333</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0882	0.4824	1.1921	1.9500e-003		9.8000e-003	9.8000e-003		9.8000e-003	9.8000e-003	0.0000	167.7474	167.7474	7.0400e-003	0.0000	167.9235
<b>Total</b>	<b>0.0882</b>	<b>0.4824</b>	<b>1.1921</b>	<b>1.9500e-003</b>		<b>9.8000e-003</b>	<b>9.8000e-003</b>		<b>9.8000e-003</b>	<b>9.8000e-003</b>	<b>0.0000</b>	<b>167.7474</b>	<b>167.7474</b>	<b>7.0400e-003</b>	<b>0.0000</b>	<b>167.9235</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0189	0.7132	0.1939	2.5500e-003	0.0689	7.5000e-004	0.0697	0.0199	7.2000e-004	0.0206	0.0000	248.6364	248.6364	0.0125	0.0000	248.9497
Worker	0.0640	0.0347	0.4795	2.0900e-003	0.2991	1.4100e-003	0.3005	0.0794	1.2900e-003	0.0807	0.0000	189.1128	189.1128	2.8300e-003	0.0000	189.1837
<b>Total</b>	<b>0.0829</b>	<b>0.7479</b>	<b>0.6734</b>	<b>4.6400e-003</b>	<b>0.3680</b>	<b>2.1600e-003</b>	<b>0.3701</b>	<b>0.0993</b>	<b>2.0100e-003</b>	<b>0.1013</b>	<b>0.0000</b>	<b>437.7492</b>	<b>437.7492</b>	<b>0.0154</b>	<b>0.0000</b>	<b>438.1333</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0753	0.4119	1.0180	1.6700e-003		8.3700e-003	8.3700e-003		8.3700e-003	8.3700e-003	0.0000	143.2390	143.2390	6.0200e-003	0.0000	143.3894
<b>Total</b>	<b>0.0753</b>	<b>0.4119</b>	<b>1.0180</b>	<b>1.6700e-003</b>		<b>8.3700e-003</b>	<b>8.3700e-003</b>		<b>8.3700e-003</b>	<b>8.3700e-003</b>	<b>0.0000</b>	<b>143.2390</b>	<b>143.2390</b>	<b>6.0200e-003</b>	<b>0.0000</b>	<b>143.3894</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0162	0.6114	0.1660	2.1800e-003	0.0589	6.5000e-004	0.0595	0.0170	6.2000e-004	0.0176	0.0000	212.5151	212.5151	0.0108	0.0000	212.7854
Worker	0.0590	0.0324	0.4356	1.8200e-003	0.2554	1.2800e-003	0.2567	0.0678	1.1800e-003	0.0690	0.0000	164.8917	164.8917	2.6400e-003	0.0000	164.9578
<b>Total</b>	<b>0.0752</b>	<b>0.6438</b>	<b>0.6016</b>	<b>4.0000e-003</b>	<b>0.3142</b>	<b>1.9300e-003</b>	<b>0.3162</b>	<b>0.0848</b>	<b>1.8000e-003</b>	<b>0.0866</b>	<b>0.0000</b>	<b>377.4068</b>	<b>377.4068</b>	<b>0.0135</b>	<b>0.0000</b>	<b>377.7431</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0753	0.4119	1.0180	1.6700e-003		8.3700e-003	8.3700e-003		8.3700e-003	8.3700e-003	0.0000	143.2388	143.2388	6.0200e-003	0.0000	143.3892
<b>Total</b>	<b>0.0753</b>	<b>0.4119</b>	<b>1.0180</b>	<b>1.6700e-003</b>		<b>8.3700e-003</b>	<b>8.3700e-003</b>		<b>8.3700e-003</b>	<b>8.3700e-003</b>	<b>0.0000</b>	<b>143.2388</b>	<b>143.2388</b>	<b>6.0200e-003</b>	<b>0.0000</b>	<b>143.3892</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0162	0.6114	0.1660	2.1800e-003	0.0589	6.5000e-004	0.0595	0.0170	6.2000e-004	0.0176	0.0000	212.5151	212.5151	0.0108	0.0000	212.7854

Worker	0.0590	0.0324	0.4356	1.8200e-003	0.2554	1.2800e-003	0.2567	0.0678	1.1800e-003	0.0690	0.0000	164.8917	164.8917	2.6400e-003	0.0000	164.9578
<b>Total</b>	<b>0.0752</b>	<b>0.6438</b>	<b>0.6016</b>	<b>4.0000e-003</b>	<b>0.3142</b>	<b>1.9300e-003</b>	<b>0.3162</b>	<b>0.0848</b>	<b>1.8000e-003</b>	<b>0.0866</b>	<b>0.0000</b>	<b>377.4068</b>	<b>377.4068</b>	<b>0.0135</b>	<b>0.0000</b>	<b>377.7431</b>

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#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0355	0.1942	0.4800	7.9000e-004		3.9500e-003	3.9500e-003		3.9500e-003	3.9500e-003	0.0000	67.5347	67.5347	2.8400e-003	0.0000	67.6057
<b>Total</b>	<b>0.0355</b>	<b>0.1942</b>	<b>0.4800</b>	<b>7.9000e-004</b>		<b>3.9500e-003</b>	<b>3.9500e-003</b>		<b>3.9500e-003</b>	<b>3.9500e-003</b>	<b>0.0000</b>	<b>67.5347</b>	<b>67.5347</b>	<b>2.8400e-003</b>	<b>0.0000</b>	<b>67.6057</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.6100e-003	0.2871	0.0781	1.0300e-003	0.0278	3.0000e-004	0.0281	8.0100e-003	2.9000e-004	8.3000e-003	0.0000	100.1004	100.1004	5.0400e-003	0.0000	100.2265
Worker	0.0258	0.0140	0.1931	8.4000e-004	0.1204	5.7000e-004	0.1210	0.0320	5.2000e-004	0.0325	0.0000	76.1363	76.1363	1.1400e-003	0.0000	76.1649
<b>Total</b>	<b>0.0334</b>	<b>0.3011</b>	<b>0.2711</b>	<b>1.8700e-003</b>	<b>0.1482</b>	<b>8.7000e-004</b>	<b>0.1490</b>	<b>0.0400</b>	<b>8.1000e-004</b>	<b>0.0408</b>	<b>0.0000</b>	<b>176.2367</b>	<b>176.2367</b>	<b>6.1800e-003</b>	<b>0.0000</b>	<b>176.3913</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0355	0.1942	0.4800	7.9000e-004		3.9500e-003	3.9500e-003		3.9500e-003	3.9500e-003	0.0000	67.5347	67.5347	2.8400e-003	0.0000	67.6056
<b>Total</b>	<b>0.0355</b>	<b>0.1942</b>	<b>0.4800</b>	<b>7.9000e-004</b>		<b>3.9500e-003</b>	<b>3.9500e-003</b>		<b>3.9500e-003</b>	<b>3.9500e-003</b>	<b>0.0000</b>	<b>67.5347</b>	<b>67.5347</b>	<b>2.8400e-003</b>	<b>0.0000</b>	<b>67.6056</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.6100e-003	0.2871	0.0781	1.0300e-003	0.0278	3.0000e-004	0.0281	8.0100e-003	2.9000e-004	8.3000e-003	0.0000	100.1004	100.1004	5.0400e-003	0.0000	100.2265
Worker	0.0258	0.0140	0.1931	8.4000e-004	0.1204	5.7000e-004	0.1210	0.0320	5.2000e-004	0.0325	0.0000	76.1363	76.1363	1.1400e-003	0.0000	76.1649
<b>Total</b>	<b>0.0334</b>	<b>0.3011</b>	<b>0.2711</b>	<b>1.8700e-003</b>	<b>0.1482</b>	<b>8.7000e-004</b>	<b>0.1490</b>	<b>0.0400</b>	<b>8.1000e-004</b>	<b>0.0408</b>	<b>0.0000</b>	<b>176.2367</b>	<b>176.2367</b>	<b>6.1800e-003</b>	<b>0.0000</b>	<b>176.3913</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr									MT/yr						
Archit. Coating	0.3306					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	6.0100e-003	0.0394	0.0827	1.4000e-004		9.3000e-004	9.3000e-004		9.3000e-004	9.3000e-004	0.0000	11.7450	11.7450	4.8000e-004	0.0000	11.7569
<b>Total</b>	<b>0.3366</b>	<b>0.0394</b>	<b>0.0827</b>	<b>1.4000e-004</b>		<b>9.3000e-004</b>	<b>9.3000e-004</b>		<b>9.3000e-004</b>	<b>9.3000e-004</b>	<b>0.0000</b>	<b>11.7450</b>	<b>11.7450</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>11.7569</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0800e-003	2.2400e-003	0.0301	1.3000e-004	0.0177	9.0000e-005	0.0178	4.6900e-003	8.0000e-005	4.7700e-003	0.0000	11.4058	11.4058	1.8000e-004	0.0000	11.4104
<b>Total</b>	<b>4.0800e-003</b>	<b>2.2400e-003</b>	<b>0.0301</b>	<b>1.3000e-004</b>	<b>0.0177</b>	<b>9.0000e-005</b>	<b>0.0178</b>	<b>4.6900e-003</b>	<b>8.0000e-005</b>	<b>4.7700e-003</b>	<b>0.0000</b>	<b>11.4058</b>	<b>11.4058</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>11.4104</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3306					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0100e-003	0.0394	0.0827	1.4000e-004		9.3000e-004	9.3000e-004		9.3000e-004	9.3000e-004	0.0000	11.7450	11.7450	4.8000e-004	0.0000	11.7568

<b>Total</b>	<b>0.3366</b>	<b>0.0394</b>	<b>0.0827</b>	<b>1.4000e-004</b>		<b>9.3000e-004</b>	<b>9.3000e-004</b>		<b>9.3000e-004</b>	<b>9.3000e-004</b>	<b>0.0000</b>	<b>11.7450</b>	<b>11.7450</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>11.7568</b>
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**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0800e-003	2.2400e-003	0.0301	1.3000e-004	0.0177	9.0000e-005	0.0178	4.6900e-003	8.0000e-005	4.7700e-003	0.0000	11.4058	11.4058	1.8000e-004	0.0000	11.4104
<b>Total</b>	<b>4.0800e-003</b>	<b>2.2400e-003</b>	<b>0.0301</b>	<b>1.3000e-004</b>	<b>0.0177</b>	<b>9.0000e-005</b>	<b>0.0178</b>	<b>4.6900e-003</b>	<b>8.0000e-005</b>	<b>4.7700e-003</b>	<b>0.0000</b>	<b>11.4058</b>	<b>11.4058</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>11.4104</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3522					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4100e-003	0.0420	0.0881	1.5000e-004		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	12.5109	12.5109	5.1000e-004	0.0000	12.5236
<b>Total</b>	<b>0.3586</b>	<b>0.0420</b>	<b>0.0881</b>	<b>1.5000e-004</b>		<b>9.9000e-004</b>	<b>9.9000e-004</b>		<b>9.9000e-004</b>	<b>9.9000e-004</b>	<b>0.0000</b>	<b>12.5109</b>	<b>12.5109</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>12.5236</b>

**Unmitigated Construction Off-Site**



	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0300e-003	2.1800e-003	0.0302	1.3000e-004	0.0188	9.0000e-005	0.0189	5.0000e-003	8.0000e-005	5.0800e-003	0.0000	11.8985	11.8985	1.8000e-004	0.0000	11.9029
<b>Total</b>	<b>4.0300e-003</b>	<b>2.1800e-003</b>	<b>0.0302</b>	<b>1.3000e-004</b>	<b>0.0188</b>	<b>9.0000e-005</b>	<b>0.0189</b>	<b>5.0000e-003</b>	<b>8.0000e-005</b>	<b>5.0800e-003</b>	<b>0.0000</b>	<b>11.8985</b>	<b>11.8985</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>11.9029</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3522					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4100e-003	0.0420	0.0881	1.5000e-004		9.9000e-004	9.9000e-004		9.9000e-004	9.9000e-004	0.0000	12.5109	12.5109	5.1000e-004	0.0000	12.5236
<b>Total</b>	<b>0.3586</b>	<b>0.0420</b>	<b>0.0881</b>	<b>1.5000e-004</b>		<b>9.9000e-004</b>	<b>9.9000e-004</b>		<b>9.9000e-004</b>	<b>9.9000e-004</b>	<b>0.0000</b>	<b>12.5109</b>	<b>12.5109</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>12.5236</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0300e-003	2.1800e-003	0.0302	1.3000e-004	0.0188	9.0000e-005	0.0189	5.0000e-003	8.0000e-005	5.0800e-003	0.0000	11.8985	11.8985	1.8000e-004	0.0000	11.9029
<b>Total</b>	<b>4.0300e-003</b>	<b>2.1800e-003</b>	<b>0.0302</b>	<b>1.3000e-004</b>	<b>0.0188</b>	<b>9.0000e-005</b>	<b>0.0189</b>	<b>5.0000e-003</b>	<b>8.0000e-005</b>	<b>5.0800e-003</b>	<b>0.0000</b>	<b>11.8985</b>	<b>11.8985</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>11.9029</b>

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#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0503					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	5.9900e-003	0.0126	2.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.7873	1.7873	7.0000e-005	0.0000	1.7891
<b>Total</b>	<b>0.0512</b>	<b>5.9900e-003</b>	<b>0.0126</b>	<b>2.0000e-005</b>		<b>1.4000e-004</b>	<b>1.4000e-004</b>		<b>1.4000e-004</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>1.7873</b>	<b>1.7873</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.7891</b>

#### Unmitigated Construction Off-Site

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

Worker	6.2000e-004	3.4000e-004	4.5800e-003	2.0000e-005	2.6900e-003	1.0000e-005	2.7000e-003	7.1000e-004	1.0000e-005	7.3000e-004	0.0000	1.7357	1.7357	3.0000e-005	0.0000	1.7364
<b>Total</b>	<b>6.2000e-004</b>	<b>3.4000e-004</b>	<b>4.5800e-003</b>	<b>2.0000e-005</b>	<b>2.6900e-003</b>	<b>1.0000e-005</b>	<b>2.7000e-003</b>	<b>7.1000e-004</b>	<b>1.0000e-005</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>1.7357</b>	<b>1.7357</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.7364</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0503						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2000e-004	5.9900e-003	0.0126	2.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.7873	1.7873	7.0000e-005	0.0000	1.7891
<b>Total</b>	<b>0.0512</b>	<b>5.9900e-003</b>	<b>0.0126</b>	<b>2.0000e-005</b>		<b>1.4000e-004</b>	<b>1.4000e-004</b>		<b>1.4000e-004</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>1.7873</b>	<b>1.7873</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.7891</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2000e-004	3.4000e-004	4.5800e-003	2.0000e-005	2.6900e-003	1.0000e-005	2.7000e-003	7.1000e-004	1.0000e-005	7.3000e-004	0.0000	1.7357	1.7357	3.0000e-005	0.0000	1.7364
<b>Total</b>	<b>6.2000e-004</b>	<b>3.4000e-004</b>	<b>4.5800e-003</b>	<b>2.0000e-005</b>	<b>2.6900e-003</b>	<b>1.0000e-005</b>	<b>2.7000e-003</b>	<b>7.1000e-004</b>	<b>1.0000e-005</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>1.7357</b>	<b>1.7357</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.7364</b>

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6325					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0115	0.0754	0.1582	2.6000e-004		1.7900e-003	1.7900e-003		1.7900e-003	1.7900e-003	0.0000	22.4686	22.4686	9.1000e-004	0.0000	22.4914
<b>Total</b>	<b>0.6440</b>	<b>0.0754</b>	<b>0.1582</b>	<b>2.6000e-004</b>		<b>1.7900e-003</b>	<b>1.7900e-003</b>		<b>1.7900e-003</b>	<b>1.7900e-003</b>	<b>0.0000</b>	<b>22.4686</b>	<b>22.4686</b>	<b>9.1000e-004</b>	<b>0.0000</b>	<b>22.4914</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2300e-003	3.9200e-003	0.0542	2.4000e-004	0.0338	1.6000e-004	0.0340	8.9700e-003	1.5000e-004	9.1200e-003	0.0000	21.3687	21.3687	3.2000e-004	0.0000	21.3767
<b>Total</b>	<b>7.2300e-003</b>	<b>3.9200e-003</b>	<b>0.0542</b>	<b>2.4000e-004</b>	<b>0.0338</b>	<b>1.6000e-004</b>	<b>0.0340</b>	<b>8.9700e-003</b>	<b>1.5000e-004</b>	<b>9.1200e-003</b>	<b>0.0000</b>	<b>21.3687</b>	<b>21.3687</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>21.3767</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr									MT/yr						
Archit. Coating	0.6325					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	0.0115	0.0754	0.1582	2.6000e-004		1.7900e-003	1.7900e-003		1.7900e-003	1.7900e-003	0.0000	22.4686	22.4686	9.1000e-004	0.0000	22.4913
<b>Total</b>	<b>0.6440</b>	<b>0.0754</b>	<b>0.1582</b>	<b>2.6000e-004</b>		<b>1.7900e-003</b>	<b>1.7900e-003</b>		<b>1.7900e-003</b>	<b>1.7900e-003</b>	<b>0.0000</b>	<b>22.4686</b>	<b>22.4686</b>	<b>9.1000e-004</b>	<b>0.0000</b>	<b>22.4913</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2300e-003	3.9200e-003	0.0542	2.4000e-004	0.0338	1.6000e-004	0.0340	8.9700e-003	1.5000e-004	9.1200e-003	0.0000	21.3687	21.3687	3.2000e-004	0.0000	21.3767
<b>Total</b>	<b>7.2300e-003</b>	<b>3.9200e-003</b>	<b>0.0542</b>	<b>2.4000e-004</b>	<b>0.0338</b>	<b>1.6000e-004</b>	<b>0.0340</b>	<b>8.9700e-003</b>	<b>1.5000e-004</b>	<b>9.1200e-003</b>	<b>0.0000</b>	<b>21.3687</b>	<b>21.3687</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>21.3767</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6828					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0124	0.0814	0.1708	2.8000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	24.2559	24.2559	9.8000e-004	0.0000	24.2805

<b>Total</b>	<b>0.6952</b>	<b>0.0814</b>	<b>0.1708</b>	<b>2.8000e-004</b>		<b>1.9300e-003</b>	<b>1.9300e-003</b>		<b>1.9300e-003</b>	<b>1.9300e-003</b>	<b>0.0000</b>	<b>24.2559</b>	<b>24.2559</b>	<b>9.8000e-004</b>	<b>0.0000</b>	<b>24.2805</b>
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**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.8000e-003	4.2300e-003	0.0585	2.5000e-004	0.0365	1.7000e-004	0.0367	9.6900e-003	1.6000e-004	9.8500e-003	0.0000	23.0685	23.0685	3.5000e-004	0.0000	23.0771
<b>Total</b>	<b>7.8000e-003</b>	<b>4.2300e-003</b>	<b>0.0585</b>	<b>2.5000e-004</b>	<b>0.0365</b>	<b>1.7000e-004</b>	<b>0.0367</b>	<b>9.6900e-003</b>	<b>1.6000e-004</b>	<b>9.8500e-003</b>	<b>0.0000</b>	<b>23.0685</b>	<b>23.0685</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>23.0771</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6828					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0124	0.0814	0.1708	2.8000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	24.2559	24.2559	9.8000e-004	0.0000	24.2804
<b>Total</b>	<b>0.6952</b>	<b>0.0814</b>	<b>0.1708</b>	<b>2.8000e-004</b>		<b>1.9300e-003</b>	<b>1.9300e-003</b>		<b>1.9300e-003</b>	<b>1.9300e-003</b>	<b>0.0000</b>	<b>24.2559</b>	<b>24.2559</b>	<b>9.8000e-004</b>	<b>0.0000</b>	<b>24.2804</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.8000e-003	4.2300e-003	0.0585	2.5000e-004	0.0365	1.7000e-004	0.0367	9.6900e-003	1.6000e-004	9.8500e-003	0.0000	23.0685	23.0685	3.5000e-004	0.0000	23.0771
<b>Total</b>	<b>7.8000e-003</b>	<b>4.2300e-003</b>	<b>0.0585</b>	<b>2.5000e-004</b>	<b>0.0365</b>	<b>1.7000e-004</b>	<b>0.0367</b>	<b>9.6900e-003</b>	<b>1.6000e-004</b>	<b>9.8500e-003</b>	<b>0.0000</b>	<b>23.0685</b>	<b>23.0685</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>23.0771</b>

**3.11 11 - 2031**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0894	0.4952	1.0337	1.7900e-003		0.0193	0.0193		0.0193	0.0193	0.0000	152.9190	152.9190	7.2700e-003	0.0000	153.1009
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0894</b>	<b>0.4952</b>	<b>1.0337</b>	<b>1.7900e-003</b>		<b>0.0193</b>	<b>0.0193</b>		<b>0.0193</b>	<b>0.0193</b>	<b>0.0000</b>	<b>152.9190</b>	<b>152.9190</b>	<b>7.2700e-003</b>	<b>0.0000</b>	<b>153.1009</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9000e-004	0.0108	2.9300e-003	4.0000e-005	1.0400e-003	1.0000e-005	1.0500e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	3.7521	3.7521	1.9000e-004	0.0000	3.7568
Worker	2.9000e-003	1.5700e-003	0.0218	9.0000e-005	0.0136	6.0000e-005	0.0136	3.6100e-003	6.0000e-005	3.6600e-003	0.0000	8.5856	8.5856	1.3000e-004	0.0000	8.5889
<b>Total</b>	<b>3.1900e-003</b>	<b>0.0123</b>	<b>0.0247</b>	<b>1.3000e-004</b>	<b>0.0146</b>	<b>7.0000e-005</b>	<b>0.0147</b>	<b>3.9100e-003</b>	<b>7.0000e-005</b>	<b>3.9700e-003</b>	<b>0.0000</b>	<b>12.3377</b>	<b>12.3377</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>12.3456</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0894	0.4952	1.0337	1.7900e-003		0.0193	0.0193		0.0193	0.0193	0.0000	152.9189	152.9189	7.2700e-003	0.0000	153.1007
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0894</b>	<b>0.4952</b>	<b>1.0337</b>	<b>1.7900e-003</b>		<b>0.0193</b>	<b>0.0193</b>		<b>0.0193</b>	<b>0.0193</b>	<b>0.0000</b>	<b>152.9189</b>	<b>152.9189</b>	<b>7.2700e-003</b>	<b>0.0000</b>	<b>153.1007</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9000e-004	0.0108	2.9300e-003	4.0000e-005	1.0400e-003	1.0000e-005	1.0500e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	3.7521	3.7521	1.9000e-004	0.0000	3.7568



Worker	2.9000e-003	1.5700e-003	0.0218	9.0000e-005	0.0136	6.0000e-005	0.0136	3.6100e-003	6.0000e-005	3.6600e-003	0.0000	8.5856	8.5856	1.3000e-004	0.0000	8.5889
<b>Total</b>	<b>3.1900e-003</b>	<b>0.0123</b>	<b>0.0247</b>	<b>1.3000e-004</b>	<b>0.0146</b>	<b>7.0000e-005</b>	<b>0.0147</b>	<b>3.9100e-003</b>	<b>7.0000e-005</b>	<b>3.9700e-003</b>	<b>0.0000</b>	<b>12.3377</b>	<b>12.3377</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>12.3456</b>

#### 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	0.5231	3.2072	6.0490	0.0295	3.0071	0.0167	3.0238	0.8055	0.0155	0.8210	0.0000	2,751.6613	2,751.6613	0.1123	0.0000	2,754.4682
Unmitigated	0.5231	3.2072	6.0490	0.0295	3.0071	0.0167	3.0238	0.8055	0.0155	0.8210	0.0000	2,751.6613	2,751.6613	0.1123	0.0000	2,754.4682

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	1,689.31	1,070.63	1371.25	3,326,835	3,326,835
Medical Office Building	1,806.50	448.00	77.50	3,541,729	3,541,729
Place of Worship	338.44	385.25	1360.80	1,047,575	1,047,575
<b>Total</b>	<b>3,834.25</b>	<b>1,903.88</b>	<b>2,809.55</b>	<b>7,916,139</b>	<b>7,916,139</b>

#### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11

#### 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.552007	0.041271	0.206593	0.110862	0.012463	0.005739	0.022450	0.038563	0.002200	0.001479	0.004915	0.000717	0.000742
Health Club	0.552007	0.041271	0.206593	0.110862	0.012463	0.005739	0.022450	0.038563	0.002200	0.001479	0.004915	0.000717	0.000742
Medical Office Building	0.552007	0.041271	0.206593	0.110862	0.012463	0.005739	0.022450	0.038563	0.002200	0.001479	0.004915	0.000717	0.000742
Place of Worship	0.552007	0.041271	0.206593	0.110862	0.012463	0.005739	0.022450	0.038563	0.002200	0.001479	0.004915	0.000717	0.000742

#### 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	1,012.9353	1,012.9353	0.0418	8.6500e-003	1,016.5591
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,012.9353	1,012.9353	0.0418	8.6500e-003	1,016.5591
NaturalGas Mitigated	0.0124	0.1130	0.0949	6.8000e-004	8.5900e-003	8.5900e-003	8.5900e-003	8.5900e-003	8.5900e-003	8.5900e-003	0.0000	123.0359	123.0359	2.3600e-003	2.2600e-003	123.7670
NaturalGas Unmitigated	0.0124	0.1130	0.0949	6.8000e-004	8.5900e-003	8.5900e-003	8.5900e-003	8.5900e-003	8.5900e-003	8.5900e-003	0.0000	123.0359	123.0359	2.3600e-003	2.2600e-003	123.7670

#### 5.2 Energy by Land Use - NaturalGas

**Unmitigated**

	Natural Gas 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					
Enclosed Parking with Elevator	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
Health Club	1.07217e+006	5.7800e-003	0.0526	0.0442	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003	0.0000	57.2151	57.2151	1.1000e-003	1.0500e-003	57.5551
Medical Office Building	457000	2.4600e-003	0.0224	0.0188	1.3000e-004		1.7000e-003	1.7000e-003		1.7000e-003	1.7000e-003	0.0000	24.3873	24.3873	4.7000e-004	4.5000e-004	24.5322
Place of Worship	776435	4.1900e-003	0.0381	0.0320	2.3000e-004		2.8900e-003	2.8900e-003		2.8900e-003	2.8900e-003	0.0000	41.4335	41.4335	7.9000e-004	7.6000e-004	41.6798
<b>Total</b>		<b>0.0124</b>	<b>0.1130</b>	<b>0.0949</b>	<b>6.8000e-004</b>		<b>8.5800e-003</b>	<b>8.5800e-003</b>		<b>8.5800e-003</b>	<b>8.5800e-003</b>	<b>0.0000</b>	<b>123.0359</b>	<b>123.0359</b>	<b>2.3600e-003</b>	<b>2.2600e-003</b>	<b>123.7670</b>

**Mitigated**

	Natural Gas 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					
Enclosed Parking with Elevator	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
Health Club	1.07217e+006	5.7800e-003	0.0526	0.0442	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003	0.0000	57.2151	57.2151	1.1000e-003	1.0500e-003	57.5551
Medical Office Building	457000	2.4600e-003	0.0224	0.0188	1.3000e-004		1.7000e-003	1.7000e-003		1.7000e-003	1.7000e-003	0.0000	24.3873	24.3873	4.7000e-004	4.5000e-004	24.5322
Place of Worship	776435	4.1900e-003	0.0381	0.0320	2.3000e-004		2.8900e-003	2.8900e-003		2.8900e-003	2.8900e-003	0.0000	41.4335	41.4335	7.9000e-004	7.6000e-004	41.6798
<b>Total</b>		<b>0.0124</b>	<b>0.1130</b>	<b>0.0949</b>	<b>6.8000e-004</b>		<b>8.5800e-003</b>	<b>8.5800e-003</b>		<b>8.5800e-003</b>	<b>8.5800e-003</b>	<b>0.0000</b>	<b>123.0359</b>	<b>123.0359</b>	<b>2.3600e-003</b>	<b>2.2600e-003</b>	<b>123.7670</b>

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.73222e+006	551.9211	0.0228	4.7100e-003	553.8956
Health Club	433485	138.1176	5.7000e-003	1.1800e-003	138.6117
Medical Office Building	699500	222.8757	9.2000e-003	1.9000e-003	223.6730
Place of Worship	313918	100.0208	4.1300e-003	8.5000e-004	100.3787
<b>Total</b>		<b>1,012.9353</b>	<b>0.0418</b>	<b>8.6400e-003</b>	<b>1,016.5591</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.73222e+006	551.9211	0.0228	4.7100e-003	553.8956
Health Club	433485	138.1176	5.7000e-003	1.1800e-003	138.6117
Medical Office Building	699500	222.8757	9.2000e-003	1.9000e-003	223.6730
Place of Worship	313918	100.0208	4.1300e-003	8.5000e-004	100.3787
<b>Total</b>		<b>1,012.9353</b>	<b>0.0418</b>	<b>8.6400e-003</b>	<b>1,016.5591</b>

**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	0.5887	1.0000e-004	0.0111	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0218	0.0218	6.0000e-005	0.0000	0.0232
Unmitigated	0.5887	1.0000e-004	0.0111	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0218	0.0218	6.0000e-005	0.0000	0.0232

## 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	0.0683					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5194					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0200e-003	1.0000e-004	0.0111	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0218	0.0218	6.0000e-005	0.0000	0.0232
<b>Total</b>	<b>0.5887</b>	<b>1.0000e-004</b>	<b>0.0111</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.0218</b>	<b>0.0218</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.0232</b>

### 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	0.0683					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5194					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0200e-003	1.0000e-004	0.0111	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0218	0.0218	6.0000e-005	0.0000	0.0232
<b>Total</b>	<b>0.5887</b>	<b>1.0000e-004</b>	<b>0.0111</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.0218</b>	<b>0.0218</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.0232</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	64.0101	0.3437	8.5700e-003	75.1574
Unmitigated	64.0101	0.3437	8.5700e-003	75.1574

### 7.2 Water by Land Use

#### Unmitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e

Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	3.03404 / 1.85957	20.1328	0.0997	2.5000e-003	23.3686
Medical Office Building	6.27403 / 1.19505	32.2503	0.2057	5.0900e-003	38.9081
Place of Worship	1.16238 / 1.81809	11.6270	0.0383	9.9000e-004	12.8807
<b>Total</b>		<b>64.0101</b>	<b>0.3437</b>	<b>8.5800e-003</b>	<b>75.1574</b>

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	3.03404 / 1.85957	20.1328	0.0997	2.5000e-003	23.3686
Medical Office Building	6.27403 / 1.19505	32.2503	0.2057	5.0900e-003	38.9081
Place of Worship	1.16238 / 1.81809	11.6270	0.0383	9.9000e-004	12.8807
<b>Total</b>		<b>64.0101</b>	<b>0.3437</b>	<b>8.5800e-003</b>	<b>75.1574</b>

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	211.9550	12.5262	0.0000	525.1097
Unmitigated	211.9550	12.5262	0.0000	525.1097

## 8.2 Waste by Land Use

### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	292.41	59.3566	3.5079	0.0000	147.0534
Medical Office Building	540	109.6151	6.4781	0.0000	271.5668
Place of Worship	211.75	42.9833	2.5402	0.0000	106.4894
<b>Total</b>		<b>211.9551</b>	<b>12.5262</b>	<b>0.0000</b>	<b>525.1097</b>

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
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Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	292.41	59.3566	3.5079	0.0000	147.0534
Medical Office Building	540	109.6151	6.4781	0.0000	271.5668
Place of Worship	211.75	42.9833	2.5402	0.0000	106.4894
<b>Total</b>		<b>211.9551</b>	<b>12.5262</b>	<b>0.0000</b>	<b>525.1097</b>

## 9.0 Operational Offroad

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

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### Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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## 11.0 Vegetation

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BCHD Phase 2 - South Coast AQMD Air District, Winter

**BCHD Phase 2**  
**South Coast AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	50.00	1000sqft	1.15	50,000.00	0
Place of Worship	37.15	1000sqft	0.85	37,150.00	0
Enclosed Parking with Elevator	739.00	Space	6.65	295,600.00	0
Health Club	51.30	1000sqft	1.18	51,300.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	8			<b>Operational Year</b>	2032
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use -

Trips and VMT - BCHD

Demolition -

Grading -

Construction Off-road Equipment Mitigation - 2006WRAP fugitive dust

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	61	74
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	61	74
tblConstructionPhase	NumDays	20.00	190.00
tblConstructionPhase	NumDays	20.00	190.00
tblConstructionPhase	NumDays	20.00	190.00
tblConstructionPhase	NumDays	230.00	466.00
tblConstructionPhase	NumDays	230.00	466.00
tblConstructionPhase	NumDays	230.00	598.00
tblConstructionPhase	NumDays	230.00	387.00
tblConstructionPhase	NumDays	20.00	72.00
tblConstructionPhase	NumDays	20.00	27.00
tblConstructionPhase	NumDays	20.00	165.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblGrading	MaterialExported	0.00	11,000.00
tblOffRoadEquipment	HorsePower	231.00	147.00
tblOffRoadEquipment	HorsePower	231.00	147.00
tblOffRoadEquipment	HorsePower	231.00	147.00
tblOffRoadEquipment	HorsePower	231.00	147.00

tblOffRoadEquipment	HorsePower	85.00	475.00
tblOffRoadEquipment	HorsePower	97.00	165.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	3,075.00	1,944.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

## 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					
2029	3.5428	33.5100	33.9445	0.1210	5.3831	0.9564	6.3129	1.1792	0.8959	2.0503	0.0000	12,639.0045	12,639.0045	1.8271	0.0000	12,684.6827
2030	19.6467	33.6306	53.9452	0.1818	10.5138	0.3583	10.8722	2.8295	0.3540	3.1836	0.0000	18,347.8175	18,347.8175	0.6940	0.0000	18,365.1681
2031	26.8920	34.3702	55.4712	0.1861	10.9051	0.4347	11.2824	2.9333	0.4324	3.3065	0.0000	18,761.8926	18,761.8926	0.6974	0.0000	18,779.3261
<b>Maximum</b>	<b>26.8920</b>	<b>34.3702</b>	<b>55.4712</b>	<b>0.1861</b>	<b>10.9051</b>	<b>0.9564</b>	<b>11.2824</b>	<b>2.9333</b>	<b>0.8959</b>	<b>3.3065</b>	<b>0.0000</b>	<b>18,761.8926</b>	<b>18,761.8926</b>	<b>1.8271</b>	<b>0.0000</b>	<b>18,779.3261</b>

### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2029	3.5428	33.5100	33.9445	0.1210	3.6731	0.9564	4.6030	0.9203	0.8959	1.7914	0.0000	12,639.0045	12,639.0045	1.8271	0.0000	12,684.6827
2030	19.6467	33.6306	53.9452	0.1818	10.5138	0.3583	10.8722	2.8295	0.3540	3.1836	0.0000	18,347.8175	18,347.8175	0.6940	0.0000	18,365.1681
2031	26.8920	34.3702	55.4712	0.1861	10.9051	0.4347	11.2824	2.9333	0.4324	3.3065	0.0000	18,761.8926	18,761.8926	0.6974	0.0000	18,779.3261
<b>Maximum</b>	<b>26.8920</b>	<b>34.3702</b>	<b>55.4712</b>	<b>0.1861</b>	<b>10.9051</b>	<b>0.9564</b>	<b>11.2824</b>	<b>2.9333</b>	<b>0.8959</b>	<b>3.3065</b>	<b>0.0000</b>	<b>18,761.8926</b>	<b>18,761.8926</b>	<b>1.8271</b>	<b>0.0000</b>	<b>18,779.3261</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Percent Reduction	0.00	0.00	0.00	0.00	6.38	0.00	6.01	3.73	0.00	3.03	0.00	0.00	0.00	0.00	0.00	0.00
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**2.2 Overall Operational**  
**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2283	8.0000e-004	0.0891	1.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004		0.1920	0.1920	5.0000e-004		0.2044
Energy	0.0681	0.6193	0.5202	3.7200e-003		0.0471	0.0471		0.0471	0.0471		743.1442	743.1442	0.0142	0.0136	747.5604
Mobile	4.1810	24.6660	46.5561	0.2260	23.8110	0.1301	23.9411	6.3683	0.1209	6.4892		23,221.3813	23,221.3813	0.9763		23,245.7875
<b>Total</b>	<b>7.4774</b>	<b>25.2861</b>	<b>47.1654</b>	<b>0.2298</b>	<b>23.8110</b>	<b>0.1775</b>	<b>23.9884</b>	<b>6.3683</b>	<b>0.1683</b>	<b>6.5366</b>		<b>23,964.7175</b>	<b>23,964.7175</b>	<b>0.9910</b>	<b>0.0136</b>	<b>23,993.5522</b>

**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	3.2283	8.0000e-004	0.0891	1.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004		0.1920	0.1920	5.0000e-004		0.2044
Energy	0.0681	0.6193	0.5202	3.7200e-003		0.0471	0.0471		0.0471	0.0471		743.1442	743.1442	0.0142	0.0136	747.5604
Mobile	4.1810	24.6660	46.5561	0.2260	23.8110	0.1301	23.9411	6.3683	0.1209	6.4892		23,221.3813	23,221.3813	0.9763		23,245.7875
<b>Total</b>	<b>7.4774</b>	<b>25.2861</b>	<b>47.1654</b>	<b>0.2298</b>	<b>23.8110</b>	<b>0.1775</b>	<b>23.9884</b>	<b>6.3683</b>	<b>0.1683</b>	<b>6.5366</b>		<b>23,964.7175</b>	<b>23,964.7175</b>	<b>0.9910</b>	<b>0.0136</b>	<b>23,993.5522</b>

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	9	Demolition	9/2/2029	11/25/2029	6	72	Phase 2 Demo 512 parking structure and 510
2	10	Grading	9/25/2029	10/25/2029	6	27	Phase 2 Excavation utilities parking structure lev1
3	12	Building Construction	10/28/2029	4/24/2031	6	466	Phase 2 Building construction WP
4	14	Building Construction	1/28/2030	7/24/2031	6	466	Phase 2 Building construction AC CHF SOG
5	18	Building Construction	1/28/2030	12/25/2031	6	598	Phase 2 Garage construction
6	16	Building Construction	2/28/2030	5/24/2031	6	387	Phase 2 Building construction MOB
7	13	Architectural Coating	9/15/2030	4/24/2031	6	190	Phase 2 Finishes WP
8	15	Architectural Coating	12/15/2030	7/24/2031	6	190	Phase 2 Finishes AC CHF
9	17	Architectural Coating	1/15/2031	8/24/2031	6	190	Phase 2 Finishes MOB
10	11	Paving	6/19/2031	12/28/2031	6	165	Phase 2 Sitework exterior improv

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 6.65

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 207,675; Non-Residential Outdoor: 69,225; Striped Parking Area:

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
9	Concrete/Industrial Saws	1	8.00	81	0.73
9	Crushing/Proc. Equipment	1	4.00	475	0.78
9	Rubber Tired Dozers	1	8.00	247	0.40

9	Tractors/Loaders/Backhoes	3	8.00	165	0.37
10	Excavators	1	4.00	158	0.38
10	Rubber Tired Loaders	1	6.00	203	0.36
10	Scrapers	1	6.00	367	0.48
12	Cranes	1	4.00	147	0.29
12	Forklifts	2	6.00	89	0.20
12	Tractors/Loaders/Backhoes	2	8.00	97	0.37
14	Cranes	1	4.00	147	0.29
14	Forklifts	2	6.00	89	0.20
14	Tractors/Loaders/Backhoes	2	8.00	97	0.37
18	Cranes	1	4.00	147	0.29
18	Forklifts	2	6.00	89	0.20
18	Tractors/Loaders/Backhoes	2	8.00	97	0.37
16	Cranes	1	4.00	147	0.29
16	Forklifts	2	6.00	89	0.20
16	Tractors/Loaders/Backhoes	2	8.00	97	0.37
13	Air Compressors	1	6.00	78	0.48
15	Air Compressors	1	6.00	78	0.48
17	Air Compressors	1	6.00	78	0.48
11	Cement and Mortar Mixers	1	8.00	9	0.56
11	Pavers	1	8.00	130	0.42
11	Paving Equipment	1	8.00	132	0.36
11	Rollers	2	8.00	80	0.38
11	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
9	6	15.00	0.00	1,944.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT



10	3	8.00	0.00	1,375.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
12	5	177.00	71.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
14	5	177.00	71.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
18	5	177.00	71.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
16	5	177.00	71.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
13	1	35.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
15	1	35.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
17	1	35.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
11	6	15.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

### 3.2 9 - 2029

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3108	0.0000	2.3108	0.3499	0.0000	0.3499			0.0000			0.0000
Off-Road	2.1881	15.7748	20.0686	0.0468		0.6698	0.6698		0.6315	0.6315		4,792.4334	4,792.4334	0.8492		4,813.6631
<b>Total</b>	<b>2.1881</b>	<b>15.7748</b>	<b>20.0686</b>	<b>0.0468</b>	<b>2.3108</b>	<b>0.6698</b>	<b>2.9806</b>	<b>0.3499</b>	<b>0.6315</b>	<b>0.9814</b>		<b>4,792.4334</b>	<b>4,792.4334</b>	<b>0.8492</b>		<b>4,813.6631</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1234	3.7831	1.4241	0.0186	0.4718	7.0600e-003	0.4789	0.1293	6.7500e-003	0.1361		2,030.4134	2,030.4134	0.1355		2,033.7996
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0455	0.0221	0.2894	1.1800e-003	0.1677	8.9000e-004	0.1686	0.0445	8.2000e-004	0.0453		118.0482	118.0482	2.0100e-003		118.0984
<b>Total</b>	<b>0.1689</b>	<b>3.8052</b>	<b>1.7136</b>	<b>0.0198</b>	<b>0.6395</b>	<b>7.9500e-003</b>	<b>0.6474</b>	<b>0.1738</b>	<b>7.5700e-003</b>	<b>0.1813</b>		<b>2,148.4616</b>	<b>2,148.4616</b>	<b>0.1375</b>		<b>2,151.8980</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.6008	0.0000	0.6008	0.0910	0.0000	0.0910			0.0000			0.0000
Off-Road	2.1881	15.7748	20.0686	0.0468		0.6698	0.6698		0.6315	0.6315	0.0000	4,792.4334	4,792.4334	0.8492		4,813.6631
<b>Total</b>	<b>2.1881</b>	<b>15.7748</b>	<b>20.0686</b>	<b>0.0468</b>	<b>0.6008</b>	<b>0.6698</b>	<b>1.2706</b>	<b>0.0910</b>	<b>0.6315</b>	<b>0.7225</b>	<b>0.0000</b>	<b>4,792.4334</b>	<b>4,792.4334</b>	<b>0.8492</b>		<b>4,813.6631</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1234	3.7831	1.4241	0.0186	0.4718	7.0600e-003	0.4789	0.1293	6.7500e-003	0.1361		2,030.4134	2,030.4134	0.1355		2,033.7996

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0455	0.0221	0.2894	1.1800e-003	0.1677	8.9000e-004	0.1686	0.0445	8.2000e-004	0.0453		118.0482	118.0482	2.0100e-003		118.0984
<b>Total</b>	<b>0.1689</b>	<b>3.8052</b>	<b>1.7136</b>	<b>0.0198</b>	<b>0.6395</b>	<b>7.9500e-003</b>	<b>0.6474</b>	<b>0.1738</b>	<b>7.5700e-003</b>	<b>0.1813</b>		<b>2,148.4616</b>	<b>2,148.4616</b>	<b>0.1375</b>		<b>2,151.8980</b>

### 3.3 10 - 2029

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8415	0.0000	0.8415	0.0929	0.0000	0.0929			0.0000			0.0000
Off-Road	0.7589	6.7829	6.7688	0.0187		0.2649	0.2649		0.2437	0.2437		1,805.4957	1,805.4957	0.5839		1,820.0940
<b>Total</b>	<b>0.7589</b>	<b>6.7829</b>	<b>6.7688</b>	<b>0.0187</b>	<b>0.8415</b>	<b>0.2649</b>	<b>1.1063</b>	<b>0.0929</b>	<b>0.2437</b>	<b>0.3365</b>		<b>1,805.4957</b>	<b>1,805.4957</b>	<b>0.5839</b>		<b>1,820.0940</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2328	7.1354	2.6861	0.0351	0.8899	0.0133	0.9032	0.2439	0.0127	0.2566		3,829.6549	3,829.6549	0.2555		3,836.0418
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0243	0.0118	0.1544	6.3000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.4000e-004	0.0242		62.9590	62.9590	1.0700e-003		62.9858
<b>Total</b>	<b>0.2571</b>	<b>7.1472</b>	<b>2.8405</b>	<b>0.0357</b>	<b>0.9793</b>	<b>0.0138</b>	<b>0.9931</b>	<b>0.2676</b>	<b>0.0132</b>	<b>0.2808</b>		<b>3,892.6139</b>	<b>3,892.6139</b>	<b>0.2566</b>		<b>3,899.0276</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2188	0.0000	0.2188	0.0241	0.0000	0.0241			0.0000			0.0000
Off-Road	0.7589	6.7829	6.7688	0.0187		0.2649	0.2649		0.2437	0.2437	0.0000	1,805.4957	1,805.4957	0.5839		1,820.0940
<b>Total</b>	<b>0.7589</b>	<b>6.7829</b>	<b>6.7688</b>	<b>0.0187</b>	<b>0.2188</b>	<b>0.2649</b>	<b>0.4836</b>	<b>0.0241</b>	<b>0.2437</b>	<b>0.2678</b>	<b>0.0000</b>	<b>1,805.4957</b>	<b>1,805.4957</b>	<b>0.5839</b>		<b>1,820.0940</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2328	7.1354	2.6861	0.0351	0.8899	0.0133	0.9032	0.2439	0.0127	0.2566		3,829.6549	3,829.6549	0.2555		3,836.0418
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0243	0.0118	0.1544	6.3000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.4000e-004	0.0242		62.9590	62.9590	1.0700e-003		62.9858
<b>Total</b>	<b>0.2571</b>	<b>7.1472</b>	<b>2.8405</b>	<b>0.0357</b>	<b>0.9793</b>	<b>0.0138</b>	<b>0.9931</b>	<b>0.2676</b>	<b>0.0132</b>	<b>0.2808</b>		<b>3,892.6139</b>	<b>3,892.6139</b>	<b>0.2566</b>		<b>3,899.0276</b>

**3.4 12 - 2029**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5202	5.0861	7.4139	0.0104		0.2365	0.2365		0.2175	0.2175		1,004.6309	1,004.6309	0.3249		1,012.7539
<b>Total</b>	<b>0.5202</b>	<b>5.0861</b>	<b>7.4139</b>	<b>0.0104</b>		<b>0.2365</b>	<b>0.2365</b>		<b>0.2175</b>	<b>0.2175</b>		<b>1,004.6309</b>	<b>1,004.6309</b>	<b>0.3249</b>		<b>1,012.7539</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1286	4.6173	1.3335	0.0164	0.4544	5.1200e-003	0.4595	0.1308	4.9000e-003	0.1357		1,758.2635	1,758.2635	0.0948		1,760.6335
Worker	0.5370	0.2608	3.4150	0.0140	1.9784	0.0105	1.9889	0.5247	9.6500e-003	0.5343		1,392.9687	1,392.9687	0.0237		1,393.5609
<b>Total</b>	<b>0.6655</b>	<b>4.8780</b>	<b>4.7485</b>	<b>0.0304</b>	<b>2.4329</b>	<b>0.0156</b>	<b>2.4485</b>	<b>0.6555</b>	<b>0.0146</b>	<b>0.6701</b>		<b>3,151.2322</b>	<b>3,151.2322</b>	<b>0.1185</b>		<b>3,154.1944</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5202	5.0861	7.4139	0.0104		0.2365	0.2365		0.2175	0.2175	0.0000	1,004.6309	1,004.6309	0.3249		1,012.7539

<b>Total</b>	<b>0.5202</b>	<b>5.0861</b>	<b>7.4139</b>	<b>0.0104</b>		<b>0.2365</b>	<b>0.2365</b>		<b>0.2175</b>	<b>0.2175</b>	<b>0.0000</b>	<b>1,004.6309</b>	<b>1,004.6309</b>	<b>0.3249</b>		<b>1,012.7539</b>
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**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Category</b>	<b>lb/day</b>										<b>lb/day</b>					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1286	4.6173	1.3335	0.0164	0.4544	5.1200e-003	0.4595	0.1308	4.9000e-003	0.1357		1,758.2635	1,758.2635	0.0948		1,760.6335
Worker	0.5370	0.2608	3.4150	0.0140	1.9784	0.0105	1.9889	0.5247	9.6500e-003	0.5343		1,392.9687	1,392.9687	0.0237		1,393.5609
<b>Total</b>	<b>0.6655</b>	<b>4.8780</b>	<b>4.7485</b>	<b>0.0304</b>	<b>2.4329</b>	<b>0.0156</b>	<b>2.4485</b>	<b>0.6555</b>	<b>0.0146</b>	<b>0.6701</b>		<b>3,151.2322</b>	<b>3,151.2322</b>	<b>0.1185</b>		<b>3,154.1944</b>

**3.4 12 - 2030**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Category</b>	<b>lb/day</b>										<b>lb/day</b>					
Off-Road	0.5727	3.1326	7.7411	0.0127		0.0637	0.0637		0.0637	0.0637		1,200.7147	1,200.7147	0.0504		1,201.9754
<b>Total</b>	<b>0.5727</b>	<b>3.1326</b>	<b>7.7411</b>	<b>0.0127</b>		<b>0.0637</b>	<b>0.0637</b>		<b>0.0637</b>	<b>0.0637</b>		<b>1,200.7147</b>	<b>1,200.7147</b>	<b>0.0504</b>		<b>1,201.9754</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1268	4.5837	1.3205	0.0163	0.4544	5.0300e-003	0.4594	0.1308	4.8100e-003	0.1356		1,752.4776	1,752.4776	0.0935		1,754.8155
Worker	0.5032	0.2396	3.2086	0.0136	1.9784	9.7700e-003	1.9882	0.5247	8.9900e-003	0.5337		1,358.7030	1,358.7030	0.0217		1,359.2460
<b>Total</b>	<b>0.6300</b>	<b>4.8233</b>	<b>4.5291</b>	<b>0.0299</b>	<b>2.4329</b>	<b>0.0148</b>	<b>2.4477</b>	<b>0.6555</b>	<b>0.0138</b>	<b>0.6693</b>		<b>3,111.1806</b>	<b>3,111.1806</b>	<b>0.1152</b>		<b>3,114.0615</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5727	3.1326	7.7411	0.0127		0.0637	0.0637		0.0637	0.0637	0.0000	1,200.7147	1,200.7147	0.0504		1,201.9754
<b>Total</b>	<b>0.5727</b>	<b>3.1326</b>	<b>7.7411</b>	<b>0.0127</b>		<b>0.0637</b>	<b>0.0637</b>		<b>0.0637</b>	<b>0.0637</b>	<b>0.0000</b>	<b>1,200.7147</b>	<b>1,200.7147</b>	<b>0.0504</b>		<b>1,201.9754</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1268	4.5837	1.3205	0.0163	0.4544	5.0300e-003	0.4594	0.1308	4.8100e-003	0.1356	1,752.4776	1,752.4776	0.0935	1,754.8155	
Worker	0.5032	0.2396	3.2086	0.0136	1.9784	9.7700e-003	1.9882	0.5247	8.9900e-003	0.5337	1,358.7030	1,358.7030	0.0217	1,359.2460	
<b>Total</b>	<b>0.6300</b>	<b>4.8233</b>	<b>4.5291</b>	<b>0.0299</b>	<b>2.4329</b>	<b>0.0148</b>	<b>2.4477</b>	<b>0.6555</b>	<b>0.0138</b>	<b>0.6693</b>	<b>3,111.1806</b>	<b>3,111.1806</b>	<b>0.1152</b>	<b>3,114.0615</b>	

### 3.4 12 - 2031

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5727	3.1326	7.7411	0.0127		0.0637	0.0637		0.0637	0.0637	1,200.7147	1,200.7147	0.0504			1,201.9754
<b>Total</b>	<b>0.5727</b>	<b>3.1326</b>	<b>7.7411</b>	<b>0.0127</b>		<b>0.0637</b>	<b>0.0637</b>		<b>0.0637</b>	<b>0.0637</b>	<b>1,200.7147</b>	<b>1,200.7147</b>	<b>0.0504</b>			<b>1,201.9754</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1262	4.5666	1.3170	0.0163	0.4544	4.9600e-003	0.4594	0.1308	4.7400e-003	0.1356	1,750.8564	1,750.8564	0.0925	1,753.1691		



Worker	0.4662	0.2187	3.0144	0.0133	1.9784	9.1400e-003	1.9876	0.5247	8.4100e-003	0.5331		1,330.4966	1,330.4966	0.0199		1,330.9942
<b>Total</b>	<b>0.5924</b>	<b>4.7853</b>	<b>4.3314</b>	<b>0.0296</b>	<b>2.4329</b>	<b>0.0141</b>	<b>2.4470</b>	<b>0.6555</b>	<b>0.0132</b>	<b>0.6687</b>		<b>3,081.3530</b>	<b>3,081.3530</b>	<b>0.1124</b>		<b>3,084.1633</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5727	3.1326	7.7411	0.0127		0.0637	0.0637		0.0637	0.0637	0.0000	1,200.7147	1,200.7147	0.0504		1,201.9754
<b>Total</b>	<b>0.5727</b>	<b>3.1326</b>	<b>7.7411</b>	<b>0.0127</b>		<b>0.0637</b>	<b>0.0637</b>		<b>0.0637</b>	<b>0.0637</b>	<b>0.0000</b>	<b>1,200.7147</b>	<b>1,200.7147</b>	<b>0.0504</b>		<b>1,201.9754</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1262	4.5666	1.3170	0.0163	0.4544	4.9600e-003	0.4594	0.1308	4.7400e-003	0.1356		1,750.8564	1,750.8564	0.0925		1,753.1691
Worker	0.4662	0.2187	3.0144	0.0133	1.9784	9.1400e-003	1.9876	0.5247	8.4100e-003	0.5331		1,330.4966	1,330.4966	0.0199		1,330.9942
<b>Total</b>	<b>0.5924</b>	<b>4.7853</b>	<b>4.3314</b>	<b>0.0296</b>	<b>2.4329</b>	<b>0.0141</b>	<b>2.4470</b>	<b>0.6555</b>	<b>0.0132</b>	<b>0.6687</b>		<b>3,081.3530</b>	<b>3,081.3530</b>	<b>0.1124</b>		<b>3,084.1633</b>

3.5 14 - 2030

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5727	3.1326	7.7411	0.0127		0.0637	0.0637		0.0637	0.0637		1,200.7147	1,200.7147	0.0504		1,201.9754
<b>Total</b>	<b>0.5727</b>	<b>3.1326</b>	<b>7.7411</b>	<b>0.0127</b>		<b>0.0637</b>	<b>0.0637</b>		<b>0.0637</b>	<b>0.0637</b>		<b>1,200.7147</b>	<b>1,200.7147</b>	<b>0.0504</b>		<b>1,201.9754</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1268	4.5837	1.3205	0.0163	0.4544	5.0300e-003	0.4594	0.1308	4.8100e-003	0.1356		1,752.4776	1,752.4776	0.0935		1,754.8155
Worker	0.5032	0.2396	3.2086	0.0136	1.9784	9.7700e-003	1.9882	0.5247	8.9900e-003	0.5337		1,358.7030	1,358.7030	0.0217		1,359.2460
<b>Total</b>	<b>0.6300</b>	<b>4.8233</b>	<b>4.5291</b>	<b>0.0299</b>	<b>2.4329</b>	<b>0.0148</b>	<b>2.4477</b>	<b>0.6555</b>	<b>0.0138</b>	<b>0.6693</b>		<b>3,111.1806</b>	<b>3,111.1806</b>	<b>0.1152</b>		<b>3,114.0615</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Off-Road	0.5727	3.1326	7.7411	0.0127		0.0637	0.0637		0.0637	0.0637	0.0000	1,200.7147	1,200.7147	0.0504		1,201.9754
<b>Total</b>	<b>0.5727</b>	<b>3.1326</b>	<b>7.7411</b>	<b>0.0127</b>		<b>0.0637</b>	<b>0.0637</b>		<b>0.0637</b>	<b>0.0637</b>	<b>0.0000</b>	<b>1,200.7147</b>	<b>1,200.7147</b>	<b>0.0504</b>		<b>1,201.9754</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1268	4.5837	1.3205	0.0163	0.4544	5.0300e-003	0.4594	0.1308	4.8100e-003	0.1356		1,752.4776	1,752.4776	0.0935		1,754.8155
Worker	0.5032	0.2396	3.2086	0.0136	1.9784	9.7700e-003	1.9882	0.5247	8.9900e-003	0.5337		1,358.7030	1,358.7030	0.0217		1,359.2460
<b>Total</b>	<b>0.6300</b>	<b>4.8233</b>	<b>4.5291</b>	<b>0.0299</b>	<b>2.4329</b>	<b>0.0148</b>	<b>2.4477</b>	<b>0.6555</b>	<b>0.0138</b>	<b>0.6693</b>		<b>3,111.1806</b>	<b>3,111.1806</b>	<b>0.1152</b>		<b>3,114.0615</b>

**3.5 14 - 2031**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5727	3.1326	7.7411	0.0127		0.0637	0.0637		0.0637	0.0637		1,200.7147	1,200.7147	0.0504		1,201.9754
<b>Total</b>	<b>0.5727</b>	<b>3.1326</b>	<b>7.7411</b>	<b>0.0127</b>		<b>0.0637</b>	<b>0.0637</b>		<b>0.0637</b>	<b>0.0637</b>		<b>1,200.7147</b>	<b>1,200.7147</b>	<b>0.0504</b>		<b>1,201.9754</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1262	4.5666	1.3170	0.0163	0.4544	4.9600e-003	0.4594	0.1308	4.7400e-003	0.1356		1,750.8564	1,750.8564	0.0925		1,753.1691
Worker	0.4662	0.2187	3.0144	0.0133	1.9784	9.1400e-003	1.9876	0.5247	8.4100e-003	0.5331		1,330.4966	1,330.4966	0.0199		1,330.9942
<b>Total</b>	<b>0.5924</b>	<b>4.7853</b>	<b>4.3314</b>	<b>0.0296</b>	<b>2.4329</b>	<b>0.0141</b>	<b>2.4470</b>	<b>0.6555</b>	<b>0.0132</b>	<b>0.6687</b>		<b>3,081.3530</b>	<b>3,081.3530</b>	<b>0.1124</b>		<b>3,084.1633</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5727	3.1326	7.7411	0.0127		0.0637	0.0637		0.0637	0.0637	0.0000	1,200.7147	1,200.7147	0.0504		1,201.9754
<b>Total</b>	<b>0.5727</b>	<b>3.1326</b>	<b>7.7411</b>	<b>0.0127</b>		<b>0.0637</b>	<b>0.0637</b>		<b>0.0637</b>	<b>0.0637</b>	<b>0.0000</b>	<b>1,200.7147</b>	<b>1,200.7147</b>	<b>0.0504</b>		<b>1,201.9754</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1262	4.5666	1.3170	0.0163	0.4544	4.9600e-003	0.4594	0.1308	4.7400e-003	0.1356		1,750.8564	1,750.8564	0.0925		1,753.1691
Worker	0.4662	0.2187	3.0144	0.0133	1.9784	9.1400e-003	1.9876	0.5247	8.4100e-003	0.5331		1,330.4966	1,330.4966	0.0199		1,330.9942
<b>Total</b>	<b>0.5924</b>	<b>4.7853</b>	<b>4.3314</b>	<b>0.0296</b>	<b>2.4329</b>	<b>0.0141</b>	<b>2.4470</b>	<b>0.6555</b>	<b>0.0132</b>	<b>0.6687</b>		<b>3,081.3530</b>	<b>3,081.3530</b>	<b>0.1124</b>		<b>3,084.1633</b>

**3.6 18 - 2030**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5727	3.1326	7.7411	0.0127		0.0637	0.0637		0.0637	0.0637		1,200.7147	1,200.7147	0.0504		1,201.9754
<b>Total</b>	<b>0.5727</b>	<b>3.1326</b>	<b>7.7411</b>	<b>0.0127</b>		<b>0.0637</b>	<b>0.0637</b>		<b>0.0637</b>	<b>0.0637</b>		<b>1,200.7147</b>	<b>1,200.7147</b>	<b>0.0504</b>		<b>1,201.9754</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1268	4.5837	1.3205	0.0163	0.4544	5.0300e-003	0.4594	0.1308	4.8100e-003	0.1356	1,752.4776	1,752.4776	0.0935	1,754.8155	
Worker	0.5032	0.2396	3.2086	0.0136	1.9784	9.7700e-003	1.9882	0.5247	8.9900e-003	0.5337	1,358.7030	1,358.7030	0.0217	1,359.2460	
<b>Total</b>	<b>0.6300</b>	<b>4.8233</b>	<b>4.5291</b>	<b>0.0299</b>	<b>2.4329</b>	<b>0.0148</b>	<b>2.4477</b>	<b>0.6555</b>	<b>0.0138</b>	<b>0.6693</b>	<b>3,111.1806</b>	<b>3,111.1806</b>	<b>0.1152</b>	<b>3,114.0615</b>	

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5727	3.1326	7.7411	0.0127		0.0637	0.0637		0.0637	0.0637	0.0000	1,200.7147	1,200.7147	0.0504		1,201.9754
<b>Total</b>	<b>0.5727</b>	<b>3.1326</b>	<b>7.7411</b>	<b>0.0127</b>		<b>0.0637</b>	<b>0.0637</b>		<b>0.0637</b>	<b>0.0637</b>	<b>0.0000</b>	<b>1,200.7147</b>	<b>1,200.7147</b>	<b>0.0504</b>		<b>1,201.9754</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1268	4.5837	1.3205	0.0163	0.4544	5.0300e-003	0.4594	0.1308	4.8100e-003	0.1356	1,752.4776	1,752.4776	0.0935	1,754.8155		

Worker	0.5032	0.2396	3.2086	0.0136	1.9784	9.7700e-003	1.9882	0.5247	8.9900e-003	0.5337		1,358.7030	1,358.7030	0.0217		1,359.2460
<b>Total</b>	<b>0.6300</b>	<b>4.8233</b>	<b>4.5291</b>	<b>0.0299</b>	<b>2.4329</b>	<b>0.0148</b>	<b>2.4477</b>	<b>0.6555</b>	<b>0.0138</b>	<b>0.6693</b>		<b>3,111.1806</b>	<b>3,111.1806</b>	<b>0.1152</b>		<b>3,114.0615</b>

### 3.6 18 - 2031

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5727	3.1326	7.7411	0.0127		0.0637	0.0637		0.0637	0.0637		1,200.7147	1,200.7147	0.0504		1,201.9754
<b>Total</b>	<b>0.5727</b>	<b>3.1326</b>	<b>7.7411</b>	<b>0.0127</b>		<b>0.0637</b>	<b>0.0637</b>		<b>0.0637</b>	<b>0.0637</b>		<b>1,200.7147</b>	<b>1,200.7147</b>	<b>0.0504</b>		<b>1,201.9754</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1262	4.5666	1.3170	0.0163	0.4544	4.9600e-003	0.4594	0.1308	4.7400e-003	0.1356		1,750.8564	1,750.8564	0.0925		1,753.1691
Worker	0.4662	0.2187	3.0144	0.0133	1.9784	9.1400e-003	1.9876	0.5247	8.4100e-003	0.5331		1,330.4966	1,330.4966	0.0199		1,330.9942
<b>Total</b>	<b>0.5924</b>	<b>4.7853</b>	<b>4.3314</b>	<b>0.0296</b>	<b>2.4329</b>	<b>0.0141</b>	<b>2.4470</b>	<b>0.6555</b>	<b>0.0132</b>	<b>0.6687</b>		<b>3,081.3530</b>	<b>3,081.3530</b>	<b>0.1124</b>		<b>3,084.1633</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5727	3.1326	7.7411	0.0127		0.0637	0.0637		0.0637	0.0637	0.0000	1,200.7147	1,200.7147	0.0504		1,201.9754
<b>Total</b>	<b>0.5727</b>	<b>3.1326</b>	<b>7.7411</b>	<b>0.0127</b>		<b>0.0637</b>	<b>0.0637</b>		<b>0.0637</b>	<b>0.0637</b>	<b>0.0000</b>	<b>1,200.7147</b>	<b>1,200.7147</b>	<b>0.0504</b>		<b>1,201.9754</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1262	4.5666	1.3170	0.0163	0.4544	4.9600e-003	0.4594	0.1308	4.7400e-003	0.1356		1,750.8564	1,750.8564	0.0925		1,753.1691
Worker	0.4662	0.2187	3.0144	0.0133	1.9784	9.1400e-003	1.9876	0.5247	8.4100e-003	0.5331		1,330.4966	1,330.4966	0.0199		1,330.9942
<b>Total</b>	<b>0.5924</b>	<b>4.7853</b>	<b>4.3314</b>	<b>0.0296</b>	<b>2.4329</b>	<b>0.0141</b>	<b>2.4470</b>	<b>0.6555</b>	<b>0.0132</b>	<b>0.6687</b>		<b>3,081.3530</b>	<b>3,081.3530</b>	<b>0.1124</b>		<b>3,084.1633</b>

**3.7 16 - 2030**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Off-Road	0.5727	3.1326	7.7411	0.0127		0.0637	0.0637		0.0637	0.0637	1,200.7147	1,200.7147	0.0504		1,201.9754
<b>Total</b>	<b>0.5727</b>	<b>3.1326</b>	<b>7.7411</b>	<b>0.0127</b>		<b>0.0637</b>	<b>0.0637</b>		<b>0.0637</b>	<b>0.0637</b>	<b>1,200.7147</b>	<b>1,200.7147</b>	<b>0.0504</b>		<b>1,201.9754</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1268	4.5837	1.3205	0.0163	0.4544	5.0300e-003	0.4594	0.1308	4.8100e-003	0.1356		1,752.4776	1,752.4776	0.0935		1,754.8155
Worker	0.5032	0.2396	3.2086	0.0136	1.9784	9.7700e-003	1.9882	0.5247	8.9900e-003	0.5337		1,358.7030	1,358.7030	0.0217		1,359.2460
<b>Total</b>	<b>0.6300</b>	<b>4.8233</b>	<b>4.5291</b>	<b>0.0299</b>	<b>2.4329</b>	<b>0.0148</b>	<b>2.4477</b>	<b>0.6555</b>	<b>0.0138</b>	<b>0.6693</b>		<b>3,111.1806</b>	<b>3,111.1806</b>	<b>0.1152</b>		<b>3,114.0615</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5727	3.1326	7.7411	0.0127		0.0637	0.0637		0.0637	0.0637	0.0000	1,200.7147	1,200.7147	0.0504		1,201.9754
<b>Total</b>	<b>0.5727</b>	<b>3.1326</b>	<b>7.7411</b>	<b>0.0127</b>		<b>0.0637</b>	<b>0.0637</b>		<b>0.0637</b>	<b>0.0637</b>	<b>0.0000</b>	<b>1,200.7147</b>	<b>1,200.7147</b>	<b>0.0504</b>		<b>1,201.9754</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1268	4.5837	1.3205	0.0163	0.4544	5.0300e-003	0.4594	0.1308	4.8100e-003	0.1356		1,752.4776	1,752.4776	0.0935		1,754.8155
Worker	0.5032	0.2396	3.2086	0.0136	1.9784	9.7700e-003	1.9882	0.5247	8.9900e-003	0.5337		1,358.7030	1,358.7030	0.0217		1,359.2460
<b>Total</b>	<b>0.6300</b>	<b>4.8233</b>	<b>4.5291</b>	<b>0.0299</b>	<b>2.4329</b>	<b>0.0148</b>	<b>2.4477</b>	<b>0.6555</b>	<b>0.0138</b>	<b>0.6693</b>		<b>3,111.1806</b>	<b>3,111.1806</b>	<b>0.1152</b>		<b>3,114.0615</b>

**3.7 16 - 2031**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5727	3.1326	7.7411	0.0127		0.0637	0.0637		0.0637	0.0637		1,200.7147	1,200.7147	0.0504		1,201.9754
<b>Total</b>	<b>0.5727</b>	<b>3.1326</b>	<b>7.7411</b>	<b>0.0127</b>		<b>0.0637</b>	<b>0.0637</b>		<b>0.0637</b>	<b>0.0637</b>		<b>1,200.7147</b>	<b>1,200.7147</b>	<b>0.0504</b>		<b>1,201.9754</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1262	4.5666	1.3170	0.0163	0.4544	4.9600e-003	0.4594	0.1308	4.7400e-003	0.1356		1,750.8564	1,750.8564	0.0925		1,753.1691
Worker	0.4662	0.2187	3.0144	0.0133	1.9784	9.1400e-003	1.9876	0.5247	8.4100e-003	0.5331		1,330.4966	1,330.4966	0.0199		1,330.9942
<b>Total</b>	<b>0.5924</b>	<b>4.7853</b>	<b>4.3314</b>	<b>0.0296</b>	<b>2.4329</b>	<b>0.0141</b>	<b>2.4470</b>	<b>0.6555</b>	<b>0.0132</b>	<b>0.6687</b>		<b>3,081.3530</b>	<b>3,081.3530</b>	<b>0.1124</b>		<b>3,084.1633</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5727	3.1326	7.7411	0.0127		0.0637	0.0637		0.0637	0.0637	0.0000	1,200.7147	1,200.7147	0.0504		1,201.9754
<b>Total</b>	<b>0.5727</b>	<b>3.1326</b>	<b>7.7411</b>	<b>0.0127</b>		<b>0.0637</b>	<b>0.0637</b>		<b>0.0637</b>	<b>0.0637</b>	<b>0.0000</b>	<b>1,200.7147</b>	<b>1,200.7147</b>	<b>0.0504</b>		<b>1,201.9754</b>

**Mitigated Construction Off-Site**

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

Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1262	4.5666	1.3170	0.0163	0.4544	4.9600e-003	0.4594	0.1308	4.7400e-003	0.1356	1,750.8564	1,750.8564	0.0925	1,753.1691	
Worker	0.4662	0.2187	3.0144	0.0133	1.9784	9.1400e-003	1.9876	0.5247	8.4100e-003	0.5331	1,330.4966	1,330.4966	0.0199	1,330.9942	
<b>Total</b>	<b>0.5924</b>	<b>4.7853</b>	<b>4.3314</b>	<b>0.0296</b>	<b>2.4329</b>	<b>0.0141</b>	<b>2.4470</b>	<b>0.6555</b>	<b>0.0132</b>	<b>0.6687</b>	<b>3,081.3530</b>	<b>3,081.3530</b>	<b>0.1124</b>	<b>3,084.1633</b>	

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#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.1876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
<b>Total</b>	<b>7.3183</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>		<b>0.0203</b>	<b>0.0203</b>		<b>0.0203</b>	<b>0.0203</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0114</b>		<b>281.7328</b>

#### Unmitigated Construction Off-Site

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

Worker	0.0995	0.0474	0.6345	2.6900e-003	0.3912	1.9300e-003	0.3932	0.1038	1.7800e-003	0.1055		268.6701	268.6701	4.3000e-003		268.7775
<b>Total</b>	<b>0.0995</b>	<b>0.0474</b>	<b>0.6345</b>	<b>2.6900e-003</b>	<b>0.3912</b>	<b>1.9300e-003</b>	<b>0.3932</b>	<b>0.1038</b>	<b>1.7800e-003</b>	<b>0.1055</b>		<b>268.6701</b>	<b>268.6701</b>	<b>4.3000e-003</b>		<b>268.7775</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.1876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
<b>Total</b>	<b>7.3183</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>		<b>0.0203</b>	<b>0.0203</b>		<b>0.0203</b>	<b>0.0203</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0114</b>		<b>281.7328</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0995	0.0474	0.6345	2.6900e-003	0.3912	1.9300e-003	0.3932	0.1038	1.7800e-003	0.1055		268.6701	268.6701	4.3000e-003		268.7775
<b>Total</b>	<b>0.0995</b>	<b>0.0474</b>	<b>0.6345</b>	<b>2.6900e-003</b>	<b>0.3912</b>	<b>1.9300e-003</b>	<b>0.3932</b>	<b>0.1038</b>	<b>1.7800e-003</b>	<b>0.1055</b>		<b>268.6701</b>	<b>268.6701</b>	<b>4.3000e-003</b>		<b>268.7775</b>

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.1876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
<b>Total</b>	<b>7.3183</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>		<b>0.0203</b>	<b>0.0203</b>		<b>0.0203</b>	<b>0.0203</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0114</b>		<b>281.7328</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0922	0.0433	0.5961	2.6400e-003	0.3912	1.8100e-003	0.3930	0.1038	1.6600e-003	0.1054		263.0926	263.0926	3.9400e-003		263.1909
<b>Total</b>	<b>0.0922</b>	<b>0.0433</b>	<b>0.5961</b>	<b>2.6400e-003</b>	<b>0.3912</b>	<b>1.8100e-003</b>	<b>0.3930</b>	<b>0.1038</b>	<b>1.6600e-003</b>	<b>0.1054</b>		<b>263.0926</b>	<b>263.0926</b>	<b>3.9400e-003</b>		<b>263.1909</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day									lb/day				
Archit. Coating	7.1876				0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003	0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114	281.7328
<b>Total</b>	<b>7.3183</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>	<b>0.0203</b>	<b>0.0203</b>		<b>0.0203</b>	<b>0.0203</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0114</b>	<b>281.7328</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0922	0.0433	0.5961	2.6400e-003	0.3912	1.8100e-003	0.3930	0.1038	1.6600e-003	0.1054		263.0926	263.0926	3.9400e-003		263.1909
<b>Total</b>	<b>0.0922</b>	<b>0.0433</b>	<b>0.5961</b>	<b>2.6400e-003</b>	<b>0.3912</b>	<b>1.8100e-003</b>	<b>0.3930</b>	<b>0.1038</b>	<b>1.6600e-003</b>	<b>0.1054</b>		<b>263.0926</b>	<b>263.0926</b>	<b>3.9400e-003</b>		<b>263.1909</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.1876						0.0000	0.0000		0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003			0.0203	0.0203		0.0203		281.4481	281.4481	0.0114		281.7328

<b>Total</b>	<b>7.3183</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>		<b>0.0203</b>	<b>0.0203</b>		<b>0.0203</b>	<b>0.0203</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0114</b>		<b>281.7328</b>
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**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0995	0.0474	0.6345	2.6900e-003	0.3912	1.9300e-003	0.3932	0.1038	1.7800e-003	0.1055		268.6701	268.6701	4.3000e-003		268.7775
<b>Total</b>	<b>0.0995</b>	<b>0.0474</b>	<b>0.6345</b>	<b>2.6900e-003</b>	<b>0.3912</b>	<b>1.9300e-003</b>	<b>0.3932</b>	<b>0.1038</b>	<b>1.7800e-003</b>	<b>0.1055</b>		<b>268.6701</b>	<b>268.6701</b>	<b>4.3000e-003</b>		<b>268.7775</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.1876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
<b>Total</b>	<b>7.3183</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>		<b>0.0203</b>	<b>0.0203</b>		<b>0.0203</b>	<b>0.0203</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0114</b>		<b>281.7328</b>

**Mitigated Construction Off-Site**



	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0995	0.0474	0.6345	2.6900e-003	0.3912	1.9300e-003	0.3932	0.1038	1.7800e-003	0.1055		268.6701	268.6701	4.3000e-003		268.7775
<b>Total</b>	<b>0.0995</b>	<b>0.0474</b>	<b>0.6345</b>	<b>2.6900e-003</b>	<b>0.3912</b>	<b>1.9300e-003</b>	<b>0.3932</b>	<b>0.1038</b>	<b>1.7800e-003</b>	<b>0.1055</b>		<b>268.6701</b>	<b>268.6701</b>	<b>4.3000e-003</b>		<b>268.7775</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.1876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
<b>Total</b>	<b>7.3183</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>		<b>0.0203</b>	<b>0.0203</b>		<b>0.0203</b>	<b>0.0203</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0114</b>		<b>281.7328</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0922	0.0433	0.5961	2.6400e-003	0.3912	1.8100e-003	0.3930	0.1038	1.6600e-003	0.1054		263.0926	263.0926	3.9400e-003	263.1909	
<b>Total</b>	<b>0.0922</b>	<b>0.0433</b>	<b>0.5961</b>	<b>2.6400e-003</b>	<b>0.3912</b>	<b>1.8100e-003</b>	<b>0.3930</b>	<b>0.1038</b>	<b>1.6600e-003</b>	<b>0.1054</b>		<b>263.0926</b>	<b>263.0926</b>	<b>3.9400e-003</b>	<b>263.1909</b>	

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.1876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
<b>Total</b>	<b>7.3183</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>		<b>0.0203</b>	<b>0.0203</b>		<b>0.0203</b>	<b>0.0203</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0114</b>		<b>281.7328</b>

**Mitigated Construction Off-Site**

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

Worker	0.0922	0.0433	0.5961	2.6400e-003	0.3912	1.8100e-003	0.3930	0.1038	1.6600e-003	0.1054		263.0926	263.0926	3.9400e-003		263.1909
<b>Total</b>	<b>0.0922</b>	<b>0.0433</b>	<b>0.5961</b>	<b>2.6400e-003</b>	<b>0.3912</b>	<b>1.8100e-003</b>	<b>0.3930</b>	<b>0.1038</b>	<b>1.6600e-003</b>	<b>0.1054</b>		<b>263.0926</b>	<b>263.0926</b>	<b>3.9400e-003</b>		<b>263.1909</b>

### 3.10 17 - 2031

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.1876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
<b>Total</b>	<b>7.3183</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>		<b>0.0203</b>	<b>0.0203</b>		<b>0.0203</b>	<b>0.0203</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0114</b>		<b>281.7328</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0922	0.0433	0.5961	2.6400e-003	0.3912	1.8100e-003	0.3930	0.1038	1.6600e-003	0.1054		263.0926	263.0926	3.9400e-003		263.1909
<b>Total</b>	<b>0.0922</b>	<b>0.0433</b>	<b>0.5961</b>	<b>2.6400e-003</b>	<b>0.3912</b>	<b>1.8100e-003</b>	<b>0.3930</b>	<b>0.1038</b>	<b>1.6600e-003</b>	<b>0.1054</b>		<b>263.0926</b>	<b>263.0926</b>	<b>3.9400e-003</b>		<b>263.1909</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.1876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
<b>Total</b>	<b>7.3183</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>		<b>0.0203</b>	<b>0.0203</b>		<b>0.0203</b>	<b>0.0203</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0114</b>		<b>281.7328</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0922	0.0433	0.5961	2.6400e-003	0.3912	1.8100e-003	0.3930	0.1038	1.6600e-003	0.1054		263.0926	263.0926	3.9400e-003		263.1909
<b>Total</b>	<b>0.0922</b>	<b>0.0433</b>	<b>0.5961</b>	<b>2.6400e-003</b>	<b>0.3912</b>	<b>1.8100e-003</b>	<b>0.3930</b>	<b>0.1038</b>	<b>1.6600e-003</b>	<b>0.1054</b>		<b>263.0926</b>	<b>263.0926</b>	<b>3.9400e-003</b>		<b>263.1909</b>

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**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day									lb/day					
Off-Road	1.0835	6.0018	12.5295	0.0218		0.2340	0.2340		0.2340	0.2340	2,043.2046	2,043.2046	0.0972		2,045.6341
Paving	0.0000					0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
<b>Total</b>	<b>1.0835</b>	<b>6.0018</b>	<b>12.5295</b>	<b>0.0218</b>		<b>0.2340</b>	<b>0.2340</b>		<b>0.2340</b>	<b>0.2340</b>	<b>2,043.2046</b>	<b>2,043.2046</b>	<b>0.0972</b>		<b>2,045.6341</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.5600e-003	0.1286	0.0371	4.6000e-004	0.0128	1.4000e-004	0.0129	3.6900e-003	1.3000e-004	3.8200e-003		49.3199	49.3199	2.6100e-003		49.3851
Worker	0.0395	0.0185	0.2555	1.1300e-003	0.1677	7.7000e-004	0.1684	0.0445	7.1000e-004	0.0452		112.7540	112.7540	1.6900e-003		112.7961
<b>Total</b>	<b>0.0431</b>	<b>0.1472</b>	<b>0.2926</b>	<b>1.5900e-003</b>	<b>0.1805</b>	<b>9.1000e-004</b>	<b>0.1814</b>	<b>0.0482</b>	<b>8.4000e-004</b>	<b>0.0490</b>		<b>162.0739</b>	<b>162.0739</b>	<b>4.3000e-003</b>		<b>162.1812</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0835	6.0018	12.5295	0.0218		0.2340	0.2340		0.2340	0.2340	0.0000	2,043.2046	2,043.2046	0.0972		2,045.6341
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

<b>Total</b>	<b>1.0835</b>	<b>6.0018</b>	<b>12.5295</b>	<b>0.0218</b>		<b>0.2340</b>	<b>0.2340</b>		<b>0.2340</b>	<b>0.2340</b>	<b>0.0000</b>	<b>2,043.2046</b>	<b>2,043.2046</b>	<b>0.0972</b>		<b>2,045.6341</b>
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**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Category</b>	<b>lb/day</b>										<b>lb/day</b>					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.5600e-003	0.1286	0.0371	4.6000e-004	0.0128	1.4000e-004	0.0129	3.6900e-003	1.3000e-004	3.8200e-003		49.3199	49.3199	2.6100e-003		49.3851
Worker	0.0395	0.0185	0.2555	1.1300e-003	0.1677	7.7000e-004	0.1684	0.0445	7.1000e-004	0.0452		112.7540	112.7540	1.6900e-003		112.7961
<b>Total</b>	<b>0.0431</b>	<b>0.1472</b>	<b>0.2926</b>	<b>1.5900e-003</b>	<b>0.1805</b>	<b>9.1000e-004</b>	<b>0.1814</b>	<b>0.0482</b>	<b>8.4000e-004</b>	<b>0.0490</b>		<b>162.0739</b>	<b>162.0739</b>	<b>4.3000e-003</b>		<b>162.1812</b>

**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
<b>Category</b>	<b>lb/day</b>										<b>lb/day</b>					
Mitigated	4.1810	24.6660	46.5561	0.2260	23.8110	0.1301	23.9411	6.3683	0.1209	6.4892		23,221.3813	23,221.3813	0.9763		23,245.7875
Unmitigated	4.1810	24.6660	46.5561	0.2260	23.8110	0.1301	23.9411	6.3683	0.1209	6.4892		23,221.3813	23,221.3813	0.9763		23,245.7875

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	1,689.31	1,070.63	1371.25	3,326,835	3,326,835
Medical Office Building	1,806.50	448.00	77.50	3,541,729	3,541,729
Place of Worship	338.44	385.25	1360.80	1,047,575	1,047,575
<b>Total</b>	<b>3,834.25</b>	<b>1,903.88</b>	<b>2,809.55</b>	<b>7,916,139</b>	<b>7,916,139</b>

## 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11

## 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.552007	0.041271	0.206593	0.110862	0.012463	0.005739	0.022450	0.038563	0.002200	0.001479	0.004915	0.000717	0.000742
Health Club	0.552007	0.041271	0.206593	0.110862	0.012463	0.005739	0.022450	0.038563	0.002200	0.001479	0.004915	0.000717	0.000742
Medical Office Building	0.552007	0.041271	0.206593	0.110862	0.012463	0.005739	0.022450	0.038563	0.002200	0.001479	0.004915	0.000717	0.000742
Place of Worship	0.552007	0.041271	0.206593	0.110862	0.012463	0.005739	0.022450	0.038563	0.002200	0.001479	0.004915	0.000717	0.000742

## 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	0.0681	0.6193	0.5202	3.7200e-003		0.0471	0.0471		0.0471	0.0471			743.1442	743.1442	0.0142	0.0136	747.5604
NaturalGas Unmitigated	0.0681	0.6193	0.5202	3.7200e-003		0.0471	0.0471		0.0471	0.0471			743.1442	743.1442	0.0142	0.0136	747.5604

## 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						
Enclosed Parking with Elevator	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
Health Club	2937.45	0.0317	0.2880	0.2419	1.7300e-003		0.0219	0.0219		0.0219	0.0219			345.5826	345.5826	6.6200e-003	6.3400e-003	347.6362
Medical Office Building	1252.05	0.0135	0.1228	0.1031	7.4000e-004		9.3300e-003	9.3300e-003		9.3300e-003	9.3300e-003			147.3006	147.3006	2.8200e-003	2.7000e-003	148.1759
Place of Worship	2127.22	0.0229	0.2086	0.1752	1.2500e-003		0.0159	0.0159		0.0159	0.0159			250.2611	250.2611	4.8000e-003	4.5900e-003	251.7483
<b>Total</b>		<b>0.0681</b>	<b>0.6193</b>	<b>0.5202</b>	<b>3.7200e-003</b>		<b>0.0471</b>	<b>0.0471</b>		<b>0.0471</b>	<b>0.0471</b>			<b>743.1442</b>	<b>743.1442</b>	<b>0.0142</b>	<b>0.0136</b>	<b>747.5604</b>

### Mitigated



	Natural Gas 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					
Enclosed Parking with Elevator	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
Health Club	2.93745	0.0317	0.2880	0.2419	1.7300e-003		0.0219	0.0219		0.0219	0.0219		345.5826	345.5826	6.6200e-003	6.3400e-003	347.6362
Medical Office Building	1.25205	0.0135	0.1228	0.1031	7.4000e-004		9.3300e-003	9.3300e-003		9.3300e-003	9.3300e-003		147.3006	147.3006	2.8200e-003	2.7000e-003	148.1759
Place of Worship	2.12722	0.0229	0.2086	0.1752	1.2500e-003		0.0159	0.0159		0.0159	0.0159		250.2611	250.2611	4.8000e-003	4.5900e-003	251.7483
<b>Total</b>		<b>0.0681</b>	<b>0.6193</b>	<b>0.5202</b>	<b>3.7200e-003</b>		<b>0.0471</b>	<b>0.0471</b>		<b>0.0471</b>	<b>0.0471</b>		<b>743.1442</b>	<b>743.1442</b>	<b>0.0142</b>	<b>0.0136</b>	<b>747.5604</b>

## 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	3.2283	8.0000e-004	0.0891	1.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004		0.1920	0.1920	5.0000e-004		0.2044
Unmitigated	3.2283	8.0000e-004	0.0891	1.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004		0.1920	0.1920	5.0000e-004		0.2044

### 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	0.3742					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8460					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.1600e-003	8.0000e-004	0.0891	1.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004		0.1920	0.1920	5.0000e-004		0.2044
<b>Total</b>	<b>3.2283</b>	<b>8.0000e-004</b>	<b>0.0891</b>	<b>1.0000e-005</b>		<b>3.2000e-004</b>	<b>3.2000e-004</b>		<b>3.2000e-004</b>	<b>3.2000e-004</b>		<b>0.1920</b>	<b>0.1920</b>	<b>5.0000e-004</b>		<b>0.2044</b>

**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	0.3742					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8460					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.1600e-003	8.0000e-004	0.0891	1.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004		0.1920	0.1920	5.0000e-004		0.2044
<b>Total</b>	<b>3.2283</b>	<b>8.0000e-004</b>	<b>0.0891</b>	<b>1.0000e-005</b>		<b>3.2000e-004</b>	<b>3.2000e-004</b>		<b>3.2000e-004</b>	<b>3.2000e-004</b>		<b>0.1920</b>	<b>0.1920</b>	<b>5.0000e-004</b>		<b>0.2044</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

## 9.0 Operational Offroad

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

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### Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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## 11.0 Vegetation

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